



DILLON
CONSULTING

Ridge Landfill Expansion Environmental Assessment

Record of Consultation (Amended)

January 2017



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Acronyms, Abbreviations, Definitions

Definitions

Alternatives to – The *Environmental Assessment Act* requires that Undertakings being reviewed within the framework of the Act consider “alternatives to” the undertaking, or functionally different ways of addressing the problem statement (in this case, managing waste). This is also known as an “Alternative to the Undertaking”.

Alternative Methods – Various ways of carrying out the preferred undertaking that are technically and economically feasible

Focused EA – An Environmental Assessment prepared in accordance with Subsection 6.1(2) of the *Environmental Assessment Act, 1990* which excludes one or more requirements of the Act from the Environmental Assessment.

Haul Route – refers to Communication Road, Drury Line and Erieau Road which are identified and used as the designated route for trucks entering and exiting the Ridge Landfill from Hwy 401.

Haul Route Study Area – The residences and businesses abutting the Haul Route.

Indigenous Communities – The First Nations and Métis communities identified by the Ministry of Environment and Climate Change that have potential to be interested in, or impacted by the Undertaking. These groups include the Caldwell First Nation, Walpole Island First Nation, Kettle and Stoney Point First Nation, Chiefs of Ontario, Chippewas of the Thames First Nation, Moravian of the Thames, Munsee-Delaware Nation, Oneida of the Thames, Métis Nation of Ontario and the Aamjiwnaang First Nation.

Off-Site Study Area – The area within 1 km of the maximum expanded fill area of the landfill.

On-Site Study Area – The Ridge Landfill property including the Landfill Site Area, plus the proposed expansion areas.

Progressive Waste Solutions Canada Inc. – (PWS) is the proponent for this undertaking. PWS was formerly known as BFI Canada Inc. PWS and Waste Connections Inc. merged in an all-stock transaction as of June 1, 2016. The company is currently branded as Progressive Waste Solutions for its operations in Canada.

Ridge Landfill – Property that encompasses existing Landfill Site Area and proposed expansion. The site is owned by Ridge Limited Partnership. Ridge (Chatham) Holdings G.P. Inc., is the general partner and Progressive Waste Solutions Canada Inc. is the limited partner.

Stakeholders – This refers to ‘interested persons’ as defined in the “Code of Practice: Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario” (Ministry of the Environment, 2014).

Undertaking – The proposed expansion of the Ridge Landfill with enhanced diversion opportunities (also described herein as the “Project”).

Acronyms

EA – Environmental Assessment

EA Act or the Act – the Environmental Assessment Act

LTVCA – Lower Thames Valley Conservation Authority

MNRF – Ministry of Natural Resources and Forestry

MOECC – Ministry of the Environment and Climate Change

PWS – Progressive Waste Solutions Canada Inc.

ToR – Terms of Reference

1.0 Introduction

1.1 Report Organization

This document highlights the communication and consultation that took place during the development of the Terms of Reference (ToR) for the Project including activities undertaken and input received. The Project includes the proposed expansion of the Ridge Landfill with enhanced diversion opportunities and is also referred to as the proposed Undertaking. The report includes the following sections:

- **Section 1.0 – Introduction:** highlights the objectives of the ToR consultation program.
- **Section 2.0 – Communication Mechanisms:** documents the methods used to inform people about the Project including the identification of interested stakeholders. Stakeholders are defined as those who may have an interest in the Project (see **Section 2.1** for list of stakeholders).
- **Section 3.0 – Public Consultation:** documents the consultation undertaken with the public during the development of the ToR and the input received.
- **Section 4.0 – Agency Consultation:** highlights the consultation undertaken with the Municipality of Chatham-Kent and review agencies (i.e., Ministry of Natural Resources and Forestry, Ministry of Environment and Climate Change) during the development of the ToR and the input received.
- **Section 5.0 – Indigenous Community Consultation:** highlights the consultation with Indigenous Communities during the development of the ToR and the input received.
- **Section 6.0 – Consultation on the Draft EA Terms of Reference:** summarizes the input received during the public and agency review of the draft ToR.
- **Section 7.0 – Final Terms of Reference Submission:** documents the next steps in the Project.

1.2 Consultation Objectives

Consultation on Environmental Assessment (EA) projects is guided by the Ministry of Environment and Climate Change (MOECC) *Code of Practice “Consultation in Ontario’s Environmental Assessment Process”* (2014). Progressive Waste Solutions Canada Inc. (PWS) is committed to engaging stakeholders in the Project to ensure that residents and businesses within the Off-site Study Area and Haul Route Study Area, as well as in Blenheim, Charing Cross, Cedar Springs and elsewhere within the Municipality of Chatham-Kent, have the ability to provide their input. PWS met with the MOECC in December 2015 to receive additional guidance on methods of stakeholder engagement. This document outlines required consultation as well provides guidance on consultation best practices.

The objectives of the consultation program for the ToR development include:

- to generate awareness of the Project;
- to inform and educate stakeholders about PWS, the EA process, and the Project;
- to gain insight into how the community wishes to be consulted; and
- to provide an opportunity for stakeholders to ask questions, voice their concerns, and provide input on the ToR.

The following guiding principles reinforce the consultation objectives and will continue to help guide the design of consultation and communication activities:

- **Make it timely** – Consultation activities will be conducted so as to ensure members of the public, interested stakeholders, Indigenous Communities and government agencies have the opportunity to provide feedback and participate in the development of the EA.
- **Make it inclusive** – Ensure a broad range of stakeholders and the general public can access Project information, participate, and interact with the Project Team. Consultation and communications material is designed to be easy to understand and a variety of communication consultation methods will be used.
- **Make it community-focused** – Consultation activities are held in proximity to the Ridge Landfill to make it easy for the Project neighbours to participate. Project information will also be available online for ease of community use and engagement.
- **Make it productive** – Continuous measuring and monitoring of events and input will ensure that the positions of stakeholders are being considered contributing to the EA in line with the consultation objectives.
- **Make it transparent** – The consultation process will be open and transparent so that the many different perspectives of stakeholders and the general public can be received and the way in which that input is considered can be seen as reflected in all documentation as appropriate.

2.0 Communication Mechanisms

This section documents the development of the stakeholder list for this project and provides an outline of the various notification procedures that were followed as part of the consultation program.

2.1 Project Contact List

It is important to ensure that those who might be interested or affected by the proposed expansion of the Ridge Landfill be provided the opportunity to participate in the development of the ToR. As such, PWS developed a comprehensive project contact list. To ensure the accuracy of the contact list, property assessment information was collected for landowners within 1 kilometre of the property, and confirmed for residents along the haul route. Other stakeholders within the community were also identified and placed on the list (e.g. Blenheim Business Improvement Association, Kent Federation of Agriculture, etc.). In a dedicated effort to keep everyone informed, contacts from the Ridge Landfill EA expansion project (1998) and the EA process to increase daily/annual waste inputs (2011) were also included. It is noted that the Project contact list was discussed with representatives of the Municipality of Chatham-Kent to ensure that the list reflected their knowledge of community members and interested groups. The following lists the categories of stakeholders that are included on the contact list. These stakeholders were consulted throughout the ToR and will continue to be consulted during the EA:

- landowners within 1 km of the site and along the haul route;
- Ridge Landfill Liaison Committee;
- Ridge Landfill Community Trust;
- Municipality of Chatham-Kent elected officials;
- provincial and federal elected officials;
- Municipality of Chatham-Kent municipal staff;
- adjacent municipalities;
- provincial and federal regulatory agencies;
- participants from past EA processes;
- Indigenous Communities; and
- other stakeholders (e.g., agricultural organizations, local conservation authority, businesses and business organizations, school boards).

Appendix A includes further details on the stakeholders that were consulted with during the ToR. The initial Notice of Commencement of the ToR was distributed to residents and businesses in Blenheim, Charing Cross and Cedar Springs. People within these communities were added to the contact list as they expressed interest. As a living document, the contact list will continue to be updated through the EA.

2.2

Mandatory Notices and Other Notifications

There are two mandatory notification points in the development of the ToR – *Notice of Commencement of the Terms of Reference*, and *Notice of Submission*. Other notices included notices of Open Houses and the opportunity to review the draft ToR.

The Ridge Landfill has been a business in the community for 50 years and values the positive relationship developed with the Municipality of Chatham-Kent and specifically the communities of Blenheim, Charing Cross and Cedar Spring and its immediate neighbours. As such, it was considered important to take a personalized approach to notification. A personalized letter was distributed along with a community newsletter and newspaper notice to neighbours in the site vicinity and along the haul route, as well as other stakeholders and interested community members on the contact list. The letter included the contact information for the PWS Project Manager and encouraged the recipient to follow-up with any questions. In all cases, effort was made to ensure that local elected officials, residents and other stakeholders received the information concurrent with placement in the newspapers. This included hand delivering the information to residents on-site and immediate landfill neighbours where possible.

The *Blenheim News Tribune*, *Chatham Daily News*, *Chatham Voice* and *Chatham This Week* were the newspapers used for the notification of the Notice of Commencement of the Terms of Reference, Notice of Open Houses, Notice of the opportunity to review the draft ToR, and Notice of Submission of ToR. **Table 1** describes each of the notifications. Copies of the newspaper notices and letters can be found in **Appendix A**. A copy of the community newsletter and map of the mail drop area can be found in **Appendix B**.

TABLE 1: TERMS OF REFERENCE NOTIFICATION DETAILS

Notice	Newspaper Insertion Dates	Other Notification Comments
Combined Notice of Commencement of the ToR and Open House #1	<ul style="list-style-type: none"> • Blenheim News Tribune – April 20th and 27th • Chatham Voice – April 21st and 28th • Chatham Daily News – April 21st and 28th • Chatham This Week – April 27th 	<ul style="list-style-type: none"> • Notice and letter hand-delivered to residents on-site and adjacent neighbours. • Notice and letter mailed and/or emailed to all other contacts.
Notice of Open House #2 and Draft ToR Release	<ul style="list-style-type: none"> • Blenheim News Tribune – June 15th • Chatham Voice – June 16th and 23rd • Chatham Daily News – June 16th • Chatham This Week – June 22th 	<ul style="list-style-type: none"> • Notice and letter mailed and/or emailed to all on contact list
Notice of Submission of ToR	<ul style="list-style-type: none"> • Blenheim News Tribune – November 16 • Chatham Voice – November 17 • Chatham Daily News – November 17 • Chatham This Week – November 16 	<ul style="list-style-type: none"> • Notice and letter mailed and/or emailed to all on contact list

In addition to the above notifications, a letter was mailed to residents on-site and within one kilometer radius of the site on October 12, 2016 informing them of the hydrogeological drilling program commencing the week October 17, 2016. The drilling is part of pre-EA field work to confirm existing environmental conditions. A notice was posted on the Ridge Landfill website and MOECC as well as the Ward 2 councilors and officials with the Municipality of Chatham-Kent were informed of this activity through an email.

2.3

Landfill Website and Contact Information

PWS established a dedicated website for the Ridge Landfill. The website is easily navigable for viewers providing information on the proposed expansion, landfill contact information, information on landfill operations, and community partnerships. On the date of the release of the Notice of Commencement, PWS launched a “Future Plans” page of the website announcing the proposed expansion. The website (www.ridgelandfill.com) provides all documents released thus far and an online form for members of the public and interested stakeholders to submit questions and comments. Between April 20, 2016 and October 28, 2016, there have been 4,061 visits to the website, 1,556 of which are revisits. Twenty (20) copies of the draft ToR have

been downloaded and thirteen (13) comments have been received via the online form. A screen capture of the landfill website is included in **Appendix A**.

2.4 Community Newsletter

“The Ridge” community newsletter was distributed to landowners within 1 km of the site and along the haul route as well as a mail drop by Canada Post to residents and businesses within Charing Cross, Cedar Springs and Blenheim. In addition to informing them of the proposed landfill expansion it highlighted PWS’ commitment to keeping the community informed about landfill operations at the Ridge, the site’s environmental management system, and PWS’ commitment to being a good neighbour in the local community. The newsletter was also posted on the landfill website and distributed with the Notice of Commencement to all government agencies, elected officials and organizations identified on the Project contact list. A copy of “The Ridge” community newsletter and map of the mail drop area can be found in **Appendix B**.

2.5 Media Relations

Immediately following the publication and release of the *Notice of Commencement of the Terms of Reference*, PWS staff made themselves available for media inquiries to answer questions about the proposed expansion with the goal of ensuring the media understood the Project. PWS also offered briefings to local media prior to the second Open House on June 28th, to help inform them on the EA process as it pertains to the Project. All media, including social media channels have and will continue to be monitored for was monitored regularly for potential issues of concern associated with the proposed expansion.

Table 2 lists the media articles written about the Project during the ToR development.

TABLE 2: MEDIA NEWS STORIES

Media Outlet	Article Title	Date Published
Newspaper: The Chatham Voice	“Ridge Landfill Expansion Sought” by Jim Blake	April 22, 2016
Newspaper: Chatham Daily News	“Owner Wants to Increase Lifespan by 20 Years” by Ellwood Shreve	April 22, 2016
Television: CTV News	Interview by Chris Thompson	April 25, 2016
Radio: 99.1 FM	“Landfill Expansion Planned” Chatham-Kent Radio	April 26, 2016
Newspaper: The Chatham Daily News	“Proposed Ridge Landfill Would Make it One of the Largest in Ontario” by Ellwood Shreve	May 3, 2016

Media Outlet	Article Title	Date Published
Newspaper: The Chatham Daily New	"Development of Biogas Facility in Works at Ridge Landfill" by Ellwood Shreve	May 4, 2016
Newspaper: The London Free Press	"Biogas Facility Slated for Ridge Landfill Site"	May 5, 2016

Copies of media articles are presented in **Appendix C**.

3.0 Public Consultation

Public consultation is a critical part of a project as it aids in developing a clearer understanding of community issues and priorities. It allows the Project Team to gain information and perspectives from the local community helping to inform and improve the overall process. As the primary provider of waste management services in the local community, PWS has a history of long-standing positive relations with the local communities of Charing Cross, Cedar Springs, Blenheim and the broader community of the Municipality of Chatham-Kent. To maintain and enhance this strong relationship, PWS put considerable effort into developing a public consultation program that was inclusive and flexible to meet the needs of the residents within these communities. This section of the Record of Consultation documents the consultation aimed at informing and generating input from the public.

3.1 Open Houses

Two Open Houses were held (May 3 and June 28, 2016) during the ToR development. The focus of these Open Houses was to provide an opportunity for local residents and businesses to learn more about the Project, ask questions and provide their feedback. Both events used a drop-in style meeting format which allowed attendees to review material at their own pace and time. Project Team members were available for one-on-one discussion with attendees. The following sections briefly describe each Open House. The Open House materials are included in **Appendix D**.

Open House 1

The first Open House was held on Tuesday May 3rd, 2016 at St. Mary's Hall in Blenheim, and was attended by 60 members of the community. The purpose of the Open House was to introduce people to the Project Team, and provide them the opportunity to learn about the Project and landfill operation, and ask questions. Display boards at the event provided information on the following topics:

- PWS' history at the Ridge Landfill and relationship with the community;
- PWS's socio-economic contributions to the community;
- the current environmental management system at the landfill;
- future plans for expansion and other proposals;
- the need and rationale for the proposed expansion;
- alternatives to expansion that PWS has considered;
- an explanation of the EA process; and
- information on the consultation process and how to stay involved in the Project.

A large-format map was displayed on a table, to allow people to look at the site and haul route in relation to their property. Eleven members of the PWS Project Team were in attendance to discuss the Project with attendees and answer questions.

Comment forms were available for attendees to identify how they heard about the event and provide their feedback on the Project. The majority of attendees heard of the Open House through the personalized letters sent to them by PWS, while a few read about it in the newspaper or heard of it by word of mouth. The feedback from the Open House was primarily positive with some areas of concern raised around future compensation, property values, and potential visual impacts, odours, groundwater and traffic.

Full details on comments raised and the responses to these issues can be found in **Section 3.3**. The input received helped PWS identify the concerns of the community and incorporate them into the final ToR. Following the Open House, PWS posted the display boards on the landfill website allowing residents who couldn't attend the event an opportunity to see the information presented.

Open House 2

The second Open House was held on June 28, 2016 at St. Mary's Hall in Blenheim, and was attended by 34 members of the community. The focus of this event was to review the information included in the draft ToR. Display panels provided information on:

- the future EA activities to be undertaken to define the environment;
- study areas to be used for defining the potential effects of the proposed landfill expansion;
- proposed evaluation criteria for the comparison of alternative methods (to expand the landfill and divert additional waste materials) and to assess impacts; and
- the proposed consultation activities to be undertaken during the EA.

Similar to Open House 1, a large-format map was displayed on a table to allow people to look at the site and haul route in relation to their property. Eleven members of the PWS Project Team were in attendance to discuss the Project and EA steps with attendees and answer questions.

Comment forms were available for attendees to identify how they heard about the event and provide their feedback on the proposed EA activities. The majority of attendees heard of the Open House through the personalized letters, while a few read about it in the newspaper. The feedback from the Open House was primarily positive. Comments received from the stakeholders and the responses can be found in **Section 3.3**.

Following the Open House, PWS posted the display boards on the landfill website allowing residents who could not attend the event an opportunity to see the information presented and to provide their feedback.

3.2 Stakeholder Meetings

3.2.1 Residents/Landowners and PWS Staff

As part of the initial notification of the proposed expansion, the PWS Project Manager and District Manager of the Ridge Landfill personally met with on-site residents and as many adjacent neighbours as possible to discuss the Project on the day the first notice was published to ensure they knew about the proposal to expand the landfill, and to maintain good relations. Meetings were held to introduce the Project and the EA process that will be undertaken. The goal of this personalized approach was to alleviate concerns with respect to expansion timing for the three on-site residents who currently rent property and to ensure that long-time close neighbours were notified personally as opposed to reading about the Project for the first time in the newspaper. PWS also hosted meetings with residents who requested to meet in-person. Comments raised at all the meetings have been included in **Section 3.3**.

PWS also made a point of meeting with their waste collection and landfill staff the morning of the project announcement to give them information about the Project. In many cases, front-line staff members live in the community and also have routine interaction with the public in the course of their duties. PWS felt it was important that they were fully aware of the proposed Ridge Landfill expansion and able to direct members of the public to the website and/or Project Manager for further information.

3.2.2 Ridge Landfill Liaison Committee

The Ridge Landfill Liaison Committee is a long-time committee that was established to provide feedback on the operation of the landfill. It was developed in response to a condition of approval of the 1997 expansion EA. The committee includes representatives from the Municipality of Chatham-Kent (staff and elected officials), public members, a representative from the Ridge Community Trust, the MOECC and PWS.

While the mandate of the committee is to focus on the operation of the landfill rather than the proposed expansion, this committee has a long history with the site and thus a valuable perspective on the Project. PWS met with the Ridge Landfill Liaison Committee on April 5, 2016 to inform them of plans to initiate the Project in advance of the formal announcement. The Ward 2 Councillor whose constituency includes the Ridge Landfill, was also invited and attended this meeting. The overall response from the Committee was positive. Meeting minutes are included in **Appendix E**.

At a second meeting of the committee held during the ToR on September 20, 2016, PWS provided an update on the status of the Project. Specific comments have been included in **Section 3.3**. PWS will continue to attend the meetings regularly to provide updates on the status of the Project.

3.2.3 Chamber of Commerce

The PWS Project Manager met with the President of the Chamber of Commerce on July 27, 2016 to discuss the proposed landfill expansion. The Chamber of Commerce was also interested to know about waste diversion programs and goals to improve recycling and achieve greater segregation of recyclables in the service area. The meeting included discussion on the possibility of collaboration with the Chatham-Kent community on ways to improve recycling programs, the economic significance of the Project to local businesses and involvement of the local Chamber of Commerce in responding to basic inquiries about the Project within the community. Meeting minutes are included in **Appendix E**.

3.2.4 Kent Federation of Agriculture

The Project team met with the Kent Federation of Agriculture (KFA) on August 9, 2016 at the University of Guelph Ridgetown Campus. An overview of the Ridge Landfill and the proposed expansion was provided via a presentation, including a discussion of the need for additional disposal capacity. An overview of the EA process was provided and the studies to be conducted during the EA phase were discussed. A key purpose of this meeting was to ensure that the KFA was aware of the Project and the associated EA process. The presentation provided to KFA and the meeting minutes are included in **Appendix E**.

3.2.5 Blenheim Business Improvement Association

PWS met with Marc Eskritt, Chair of the Blenheim Business Improvement Association (BIA), on October 11, 2016 to discuss the details of the proposed expansion and to discuss the BIA's current mandate as well as potential partnering opportunities for tree planting in the downtown core. No concerns were raised about the expansion. The presentation provided at the meeting is included in **Appendix E**.

3.3 Response to Public and Stakeholder Comments

Seventeen (17) comment forms and nineteen (19) other correspondence pieces (i.e., letter, email, web form), were received during the ToR development. **Table 3** provides an overview of the public and stakeholder comments received. Also included in the table is the PWS response to these comments indicating how they will be considered in the EA where appropriate. Written comments received are included in **Appendix E**.

TABLE 3: SUMMARY OF PUBLIC AND STAKEHOLDER COMMENTS

Comments and Concerns Received	Consideration of Comments and Concerns
<p>Waste Management Service</p> <p>Would like to see hazardous waste collection happen more frequently.</p>	<p>PWS will evaluate hazardous waste collection as part of their assessment of enhanced diversion alternatives in the EA.</p>
<p>Those in rural areas don't receive residential pick-up. Would they be able to drop off waste bags and recycling,</p>	<p>During landfill operating hours residents can bring waste for drop-off at the landfill. PWS, however, encourages residents to use one of the eight municipal transfer stations. The Chatham Kent website lists the local transfer stations.</p>
<p>Ongoing landfill operations and requests for quotes on waste disposal prices and types of waste that would be accepted including:</p> <ul style="list-style-type: none"> • asphalt shingles; and • Demolition waste. 	<p>The Ridge has a minimum one tonne charge of \$85.00. Inquiries regarding specific materials need to be directed to the landfill at (519) 676-5000.</p>
<p>Community Funding and Support</p>	
<p>A number of requests for funding were made including:</p> <ul style="list-style-type: none"> • funding to erecting signs for the Village of Erie Beach centennial celebration; • support for a Non-Profit Hockey School/Camp; • support for a men's shelter in Chatham; • support for a local BMX bicycle club; and • sponsorship donations on behalf of the Blenheim YBC (Youth Bowling) league. 	<p>All funding requests should be directed to the Ridge Landfill Community Trust.</p>
<p>PWS is trying to make the Project more palatable by talking about the money they are investing in the community, but not mentioning the huge profits being made from the landfill.</p>	<p>PWS is a private waste management company providing a needed community service, and as all private companies, PWS is in business to make a profit.</p> <p>PWS is proud of its contribution to the Chatham-Kent community and wished to ensure that there was awareness about level of investment in the community.</p>

Comments and Concerns Received	Consideration of Comments and Concerns
Quantity and Source of Waste	
Concern that the landfill will become a burden on the community as it grows, as seen in the landfill south west of London.	The annual volume of waste will not increase for the planned site life and PWS has no plans to receive residential waste from the City of Toronto as they own their own landfill near London.
Concern that landfill will start accepting too much waste if expanded.	
<p>Opposed to the proposed expansion of the Ridge Landfill. I believe the real reason for expansion is to serve the needs of Ontario, i.e. Toronto and the GTA as well as other large centres in southwestern Ontario where local opposition to landfill expansion closer to home is more politically charged. It is high time that Toronto/the GTA, etc. found a better solution to their garbage disposal needs than to ship it to Chatham-Kent.</p> <p>C-K has more than paid its dues to benefit Toronto, the GTA etc. for several years. The Ridge Landfill should be used primarily to benefit the residents of C-K, and I oppose the proposed expansion.</p> <p>The people of Chatham-Kent have done their share in waste management and it is time for other areas to step up.</p> <p>Against bringing waste in from outside of Southwestern Ontario, especially from the USA.</p> <p>It was noted that the community may be concerned if intention is for Ridge to accept waste from all of Ontario.</p>	<p>A Needs/Opportunities Assessment Report was completed and is included as a supporting document to the ToR. This report demonstrates that there will be a need for disposal capacity in southern Ontario as of approximately 2022 when the Ridge Landfill is currently expected to reach capacity.</p> <p>The Ridge Landfill is currently approved to accept industrial, commercial and institutional waste from anywhere in Ontario and residential waste from the Municipality of Chatham-Kent and the surrounding Counties of Essex, Lambton, Middlesex and Elgin. As part of the proposed expansion, PWS is seeking a revision to the residential service area to allow for residential waste from all of Ontario.</p> <p>It is noted that the annual volume of waste the Ridge is permitted to accept will not increase and PWS does not intend to receive residential waste from the City of Toronto as they own their own landfill near London.</p>

Comments and Concerns Received	Consideration of Comments and Concerns
Agriculture	
<p>C-K is an agriculturally based community. The landscape should be used for food production, not waste disposal.</p> <p>High berms may cause danger to residents' fruit trees during frost season with the frosts lying in the low areas and the berm blocking the wind from flowing freely thus causing frost and damage.</p>	<p>Much of the Ridge Landfill Property is already recognized in the Chatham-Kent Official Plan as a waste management site and the proposed expansion of the landfill will be within the Ridge Landfill Property.</p> <p>During the EA an agricultural assessment will be completed to determine the potential for the proposed expansion to impact farmland and farming in the surrounding area. PWS will continue to accommodate farming on the on-site lands not being used for waste management until they are needed for landfilling.</p>
<p>Trees in the current woodlots look healthy. How is wooded area relocation proposed without destroying it?</p> <p>Agricultural land in the area of proposed expansion is not good quality; as a result, landfill expansion should not be a problem.</p> <p>Wildlife migrate from the woodlot on PWS property to other woodlots such as wild turkey and deer. Deer drink from the pond as they migrate, the two properties work together as wildlife habitat.</p>	<p>As part of the EA, studies of the woodlots are required to confirm the species within the woodlots and evaluate the woodlot overall health. Some of these studies have already been undertaken. Meetings have also been held with the Ministry of Natural Resources and Forestry (MNRF) to discuss the woodlots.</p> <p>It has been determined that the southwest (SW) woodlot is of low-quality and does not provide significant wildlife habitat, nor is it used by any species at risk. The southeast (SE) woodlot is considered significant wildlife habitat and habitat for species at risk. Although the preferred site development alternative has not been determined, the MNRF has indicated that the SE woodlot is permitted to be removed, as long as the area of woodlot is compensated and creates an overall benefit for the species at risk that use it. Details of compensation and other requirements would be determined in a parallel process with the MNRF.</p> <p>Should the SE woodlot need to be removed as part of the preferred site development alternative, removal would occur during appropriate timing windows so as not to disrupt sensitive species. Approval would also be required from the Municipality of Chatham-Kent.</p>

Comments and Concerns Received	Consideration of Comments and Concerns
Landfill Gas and Odour	
<p>Support for the proposal of the addition of a biogas facility.</p> <p>Methane issue needs to be utilized in reusable resource.</p> <p>Start collecting biogas for good use.</p>	<p>PWS has plans for the development of a biogas facility at the Ridge to convert landfill gas into a pipeline quality natural gas. This would be the largest biogas facility in Ontario and one of the largest in North America.</p>
<p>Asked what the proposed biogas facility will look like and how much land would be needed.</p>	<p>The proposed biogas facility is a separate project that PWS is pursuing. It is not included as part of the EA for the proposed Ridge Landfill expansion. It is anticipated that the biogas facility would require approximately one acre.</p>
<p>Smell is already an issue that needs to be addressed before expansion.</p> <p>Concerned about increased smell with landfill expansion.</p> <p>East wind seems to have odour issues.</p> <p>Worried about the smell if household garbage is accepted from Southern Ontario.</p> <p>Are there health risks from being downwind of the landfill and smelling the strong odours?</p>	<p>The following odour management controls are in place at the Ridge Landfill:</p> <ul style="list-style-type: none"> • daily covering of waste and small working area to mitigate odour; • regular inspection for fissures which could allow odour to escape; • leachate collection and an enclosed leachate pretreatment facility; • landfill gas collection system which collects and flares gas; • systems to minimize fugitive odours including a portable unit which can be moved around depending on wind conditions and direction. This system uses eco-friendly materials mixed with water to suppress odors. The system is deployed in the spring and operates through to the fall as long as night time temperatures stay above freezing; and • odour complaint process as part of a broader nuisance complaint process that people can use to contact PWS if they believe they smell an odour from our site. On-site wind direction and other weather related information is recorded at the time of the complaint so that current site conditions are known. <p>Odour is a nuisance effect and may have health impacts. Landfill gas constituents are monitored and are within compliance levels. Odour will be one of the technical studies that will be completed as part of the EA. The odour assessment will look at the existing odour</p>

Comments and Concerns Received	Consideration of Comments and Concerns
<p>There is already a lagoon and lots of smell. Some days the smell is bad enough you can't go outside.</p>	<p>management system and identify opportunities to improve the management of fugitive odours.</p>
<p>Significant concerns about odour. The landfill west of London north of the 401 always smells.</p>	<p>The landfill near London referred to in the comments is the Green Lane Landfill. This landfill is operated by the City of Toronto.</p> <p>It is noted that the Blenheim Sewage Treatment Plant is managed by the Municipality of Chatham-Kent. Concerns about odour from this facility should be directed to the municipality.</p>
<p>Compensation, Property Values and Social Impact</p>	
<p>Level 4 compensation does not adequately take into account what it is like for residents to live close to the landfill.</p> <p>Currently at level 2 compensation but expecting to move to level 1 as the landfill moves closer due to noise, dust, traffic, prevailing wind, odours, and obstruction of view.</p> <p>Currently not being compensated whereas some neighbours are being compensated.</p> <p>There needs to be an increase in property compensation.</p>	<p>PWS has a history of positive relations with the Chatham-Kent community and is committed to being a good neighbor. In addition to the annual royalty payments to the Municipality of Chatham-Kent and contributions to the Ridge Landfill Trust Fund, PWS provides compensation to residents living in proximity to the landfill and along the haul route. The compensation paid is based on the level of impact. Once the EA for the proposed expansion is complete, PWS will review the existing compensation agreements.</p>
<p>How will the expansion effect property values?</p> <p>Now that our properties will be at the landfill's doorstep, we expect that these properties will now be protected. When these changes occur, we would like to be notified in writing.</p>	<p>Property value questions are valid and legitimate concerns for any landowner. There is a Property Protection Program in place that PWS will re-assess based on the results of the EA for the proposed expansion.</p>

Comments and Concerns Received	Consideration of Comments and Concerns
<p>Social impact on homes and businesses nearest to the landfill and a loss of enjoyment of property.</p> <p>Home/farm has been here since 1881. Fear that children will no longer want to continue the family farm due to the proximity of the landfill.</p> <p>Concerned that moving landfill closer may decrease business.</p>	<p>One component of the EA will be a social economic assessment. This work will look at the potential for the expansion to negatively impact local residents, change their enjoyment of their property, and potential impact/disruption to businesses off-site.</p>
<p>Concerns regarding increasing noise with the expansion.</p>	<p>Social economic assessment will work closely with other disciplines including air, noise, dust and visual to identify and mitigate potential impacts.</p>
<p>Groundwater and Surface Water</p> <p>Worried about household well, and groundwater contamination.</p> <p>Who is going to monitor groundwater for contamination?</p> <p>The landfill should pay for municipal water to the site.</p> <p>The landfill should pay for the waterline to the people on middle-line.</p>	<p>The Ridge Landfill has an environmental management system in place that follows stringent Ministry of Environment and Climate Change regulations. Annual independent groundwater and surface water monitoring is undertaken with reports submitted to the MOECC.</p> <p>The current facility has been designed, built and is operated to contain and collect the leachate generated (water either from rain or decomposition that percolates through the waste) in order to protect groundwater. The thick clay till that underlies the site provides a natural liner protecting the groundwater.</p> <p>The leachate that drains through the landfill is collected and treated at the municipal treatment plant to standards approved by the MOECC. The Ministry is updated annually on the operation of our leachate collection system.</p> <p>An assessment of the potential for groundwater impacts as a result of the proposed expansion will be an important part of the EA. This work will look at existing groundwater information, complete additional testing in areas where limited data exists and model potential groundwater impacts. Measures to mitigate potential impacts and contingency</p>

Comments and Concerns Received	Consideration of Comments and Concerns
	plans to address issues such as the potential for impact to drinking water will be proposed in the EA.
Flooding is a problem during the spring. Don't see where all the snow melt is going to go if site is expanded.	Currently there is a flood control facility at the site to manage spring melt conditions. The EA will look at the potential for the proposed expansion to impact drainage.
Traffic and Airport	
The steady stream of large tractor-trailers hauling waste to C-K is impacting the traffic congestion on Hwy 401. This happens all year around, regardless of weather, and increases traffic hazards. It also increases the rate of deterioration of the road surface of Hwy 401, resulting in more maintenance costs. It also requires substantial fuel costs for all of that transport traffic.	Currently there are approximately 200 waste haul trucks and small trailers per day that come to the Ridge Landfill. These trucks come from a number of different locations. With the proposed expansion, the amount of waste the site can accept each year will not change so the volume of waste disposal traffic coming to the site will remain similar to what is experienced today. In the EA, PWS will look at enhanced diversion alternatives which could result in some additional traffic to the Ridge Landfill Property. During the EA a transportation study will be undertaken to assess potential impact associated with transportation on the haul route (i.e. from Highway 401 to the site) and to develop measures to mitigate impacts. Highway 401 is designed to handle the transportation of goods and materials and the traffic associated with Ridge Landfill is a small fraction of the total traffic on the highway.
Noise and truck traffic along the haul route is already a current issue and the speed limit for non-truck traffic. How will this expansion affect the local traffic patterns?	There will be no increase in the amount of waste disposal traffic to and from the site as the amount of waste PWS is currently permitted to accept at the Ridge Landfill will not change following the proposed expansion. With the proposed expansion it is intended that the current haul route remain in place. In the EA, PWS will look at enhanced diversion alternatives which could result in some additional traffic to the Ridge Landfill Property.
Road maintenance on haul route due to slime and mud.	PWS has two sweepers and two water trucks that are used to sweep and clean the roads during and after storm events, and clean up sporadic mud drop events from the trucks where they may arise along the designated haul route.

Comments and Concerns Received	Consideration of Comments and Concerns
Request that arterial roads (Allison Line between Lagoon and Erieau) to the landfill are hard surfaced for convenience and safety. Is a main artery between Blenheim and the landfill for our curbside trucks.	This road is not part of the designated haul route. This is a municipal responsibility.
Concerned about height of landfill in relation to the airport.	The landfill height is restricted to 241.3 metres above sea level (masl) due to the proximity of the site to the Chatham airport. Sections of the West Landfill are at the maximum allowable height. The proposed expansion will stay within the maximum height allowed for the airport.
<i>Increase Diversion</i>	
Reduction of waste is the solution not expansion. Implement a stricter recycling program; don't accept waste that is not recycled.	<p>As a private company PWS does not have authority to require its customers to reduce, reuse or recycle. PWS does however work with its customers to encourage and assist them in increasing the quantity of waste they recycle. Ridge only accepts residual waste, following waste diversion processes.</p> <p>The Ridge Landfill also accepts residual waste materials from many other independent Ontario companies. Waste materials being received at the landfill are continually monitored and for those materials identified and considered recoverable, further discussion with generators occurs to encourage at-source separation and identify opportunities for direct transport to recycling/organic waste recovery facilities. Where possible, the identified materials are also diverted from landfill disposal to a designated area at the landfill for further material segregation.</p> <p>It is noted that while the provincial Waste-Free Ontario Act promotes a reduction in the amount of waste generated and disposed of, it also recognizes the ongoing need for disposal as the population of Ontario increases.</p>

Comments and Concerns Received	Consideration of Comments and Concerns
<p>Other Comments</p> <p>Add vegetation to the berms to break the wind and prevent garbage from blowing out.</p> <p>Concerned regarding blowing garbage that ends up in residents' fields and equipment despite of the current cleaning efforts at the Ridge Landfill.</p> <p>Cover and seal the garbage.</p> <p>Was listed as supportive of berm. This is incorrect. Berms do not make a difference unless you are right beside the landfill.</p>	<p>Each day, cover material is placed on the active landfill area to reduce dust, odour and litter. Once a section of the landfill is completed a final cover is put over the waste. This represents best practice in landfill operation and would continue with the proposed expansion.</p> <p>The EA will determine the potential for negative impacts from the proposed expansion including potential impacts such as litter and visual impacts. To minimize these impacts, mitigation will be proposed which could include planting vegetation on berms.</p>
<p>Concerned about the view from our property.</p>	<p>Visual impact assessment will be conducted as part of the EA study which will identify and assess potential areas of impact. Landscape plans/visualization will be developed to provide screening to minimize visual impact from the proposed expansion.</p>
<p>Have lived beside the landfill since its creation and have had no complaints and built a good relationship and hope to continue this in the future.</p> <p>Asked about potential to 'give land back' to the community at time of site closure.</p>	<p>PWS strives to be a good neighbour, and appreciates the comment.</p> <p>There are situations where lands associated with closed landfills have been repurposed to provide a beneficial use to the community. The opportunity to accomplish this at the Ridge Landfill can be considered during preparation of a closure plan. It is noted that this would happen once landfilling at the site had ceased.</p>
<p>Requests regarding employment opportunities were received.</p>	<p>Specific inquiries related to employment are addressed on a case by case basis and available positions. To view current availabilities, please visit: http://www.progressivewaste.com/en/company/careers</p>

4.0 Indigenous Communities Consultation

Consultation with Indigenous Communities is an important part of conducting an EA. Engagement with First Nations and Métis provides an avenue to understand their perspectives regarding the Project. PWS can then incorporate their issues and concerns into the EA and work with Indigenous Communities to find ways to avoid or mitigate issues.

4.1 Potentially Interested Indigenous Communities

During the ToR development, PWS worked with the MOECC to identify Indigenous Communities that may have a territorial interest in the Ridge Landfill. The environmental screening process in 2011 provided an initial list of Indigenous Community contacts. This initial contact list was vetted through the MOECC and a final list was established. The Indigenous Communities contacted as part of the proposed Ridge Landfill Expansion ToR include:

- Caldwell First Nations;
- Chiefs of Ontario;
- Chippewas of the Thames First Nation;
- Moravian of the Thames;
- Munsee-Delaware Nation;
- Oneida Nation of the Thames;
- Walpole Island First Nation;
- Kettle and Stony Point First Nation
- Métis Nation of Ontario; and
- Aamjiwnaang First Nation.

These Indigenous Communities and organizations will continue to be engaged during the EA and the MOECC will be consulted during the EA for any updates to this list.

4.2 Correspondence with Indigenous Communities

In recognition of the special interests associated with Indigenous Communities, PWS retained Counsel Public Affairs Inc., specifically Mr. John Beaucage, a well-respected First Nation leader to lead the engagement process. There were five points of contact with the above noted Indigenous Communities during the course of the ToR development. In each of the above instances, a letter was mailed to the community followed by an email with an attached letter. Letters and emails were sent so that the Chiefs of the Indigenous Communities received notice of public Open Houses before announcements were

made through the local media. The following explains each point of contact; letters are included in **Appendix F**.

- April 7, 2016 – Introductory letters were sent to the Chiefs of each of the Indigenous Communities. These letters were distributed in advance of the Project’s formal announcement to inform them of the upcoming announcement and offer to meet.
- April 18, 2016 – A second letter was distributed to inform Indigenous Communities of the formal announcement of the Project and outline the EA process.
- May 11, 2016 – A third letter was distributed to inform Indigenous Communities of the results of the first Open House, and make them aware of the date of the second Open House.
- June 16, 2016 – A letter was distributed to inform the Indigenous Communities of the second Open House and availability of the draft ToR for public review.
- November 14, 2016 - Letter for Notice of Submission

The letters requested the communities to contact John Beaucage if they wanted an in-person meeting. John Beaucage personally contacted Walpole Island and Caldwell First Nation by telephone when they expressed interest in meeting. In total there were two phone conversations with the Administrative Assistant at Caldwell First Nation, and two phone conversations with Dr. Dean Jacobs at Walpole Island First Nation. Meetings were held with the Caldwell First Nation and Walpole Island First Nation as follows:

- June 27, 2016 meeting with Caldwell First Nations: An overview of the Project was provided. The Caldwell First Nation and PWS discussed the stormwater management facility that would be sized during detailed design phase of the Project including the controlled runoff of surface water into five ponds and the treatment of water prior to release. Potential sponsorship and employment opportunities for Caldwell citizens were also discussed. Interest was expressed in a tour of the Ridge Landfill.
- June 28, 2016 meeting with Walpole Island First Nation (WIFN): An overview of the Project was provided. WIFN emphasized the importance of maintaining hunting and fishing rights, as well as their interest in having a partnership role in the Project. WIFN noted that they have some in-house data that could be used to assess potential impacts from the Project. A representative from the WIFN attended the second Open House on June 28, 2016.

Meeting minutes from the above meetings can be found in **Appendix F**.

4.3

Response to Indigenous Communities Comments

During the Project team’s meetings with the communities in the area, our talks were cordial and productive, and no assertion of claim was raised during any discussions.

In addition to the meetings with Walpole Island and Caldwell First Nations noted above, there has been only one comment received. The Chippewas of the Thames First Nation identified no concerns and want

to be informed if there are any substantive changes to the Project. The letter received can be found in **Appendix F**.

5.0 Agency Consultation

Throughout the ToR development, regulatory, local and other agencies were invited to participate and provide comments. PWS reached out to key agencies to solicit their input where appropriate. The objectives of consultation with agencies was to inform them of the Project, understand their issues and obtain their feedback on the data collection, evaluation and assessment steps proposed for inclusion in the EA. As noted in **Section 2.1**, local, provincial and federal agencies were included on the Project contact list and received all Project notices.

5.1 Municipal and Agency Meetings

PWS proactively set up meetings with the Municipality of Chatham-Kent and local, provincial and federal agencies that were expected to have an interest in the Project and who may have important information related to completion of the EA. The following sections document the meetings that were held during the development of the ToR. Specific comments raised at these meetings can be found in **Section 5.1** and meeting minutes are included in **Appendix G**.

5.1.1 Ministry of Environment and Climate Change

The Project Team met with the MOECC at their Toronto office on December 16, 2015, June 6, 2016 and September 27, 2016. The first meeting included MOECC representatives from the EA Branch and the District. An overview of the Ridge Landfill and the proposed expansion was provided, including a discussion of the need for additional disposal capacity. The key purpose of this meeting was to ensure that the MOECC understood the rationale for the proposed approach for the ToR, specifically PWS's intention to submit a focused ToR. PWS also reached out to the MOECC for guidance on stakeholder consultation as this was one of the top priorities of the Project Team. A second meeting was held on June 6, 2016 to update MOECC on the status of the ToR development and the timing of the release of the draft ToR for review. This meeting included representatives from the EA Branch. Discussions with MOECC staff were also held in person on September 27th and by phone on October 17th to discuss specific comments on the draft ToR.

5.1.2 Municipality of Chatham-Kent

PWS provides waste management services to the Municipality of Chatham-Kent and over the years has developed a very strong relationship with the Municipality. As such, PWS set up an advance meeting with members of the municipal Engineering and Planning Departments to discuss the proposed expansion and the Project announcement. The meeting with the Municipality was held on March 30, 2016.

An advance meeting was also held with the Mayor of the Municipality on March 30, 2016 to ensure he was aware of the Project and informed of PWS's intentions for the future of the Ridge Landfill and

commitment to a continued good relationship with the municipality and landfill neighbours. This meeting was also held on March 30, 2016.

PWS has also met informally with local councilors including the Ward 2 Councilor where the landfill is located. Local councilors are also on the Ridge Community Liaison Committee which is kept up to date on the Project.

A meeting was held on October 6th, 2016 with staff from the Municipality's Planning Department to confirm amendments to the Official Plan and Zoning by-law that may be required and to discuss timing.

5.1.3 Lower Thames Valley Conservation Authority

The Project Team met with the Lower Thames Valley Conservation Authority (LTVCA) on March 30, 2016 at their office in Chatham, Ontario. The purpose of the meeting was to introduce the Project, discuss the Ridge Landfill site and go over the proposed expansion and EA work. LTVCA's main interest in the Project will be the stormwater management system.

5.1.4 Ministry of Natural Resources and Forestry

The Project Team initially met with the Ministry of Natural Resources and Forestry (MNRF) at their office in Aylmer, Ontario on April 5, 2016. The focus of discussion at this meeting related to the existing on-site woodlots. With the proposed expansion it is anticipated that one or both of the SE and SW woodlots may be removed. The team met with the MNRF to obtain input on the studies that would be required during the EA to assess the habitat within these woodlots and MNRF's expectations regarding compensation should the woodlots be removed.

A second meeting with MNRF was held on September 8, 2016 in their Aylmer office. The purpose of the meeting was to review the results of environmental field work, including acoustic bat detection surveys. The MNRF agreed with the results of the survey, that the SW woodlot is not considered significant wildlife habitat, nor does it provide habitat for species at risk, and that the SE woodlots provides habitat for species at risk bats, and is also considered significant wildlife habitat.

Should removal of the SE woodlot be required based on the preferred site development alternative, PWS would need to apply for an overall benefit permit under the *Endangered Species Act, 2007* prior to removal. The conditions of the permit would be determined in a separate parallel process with the MNRF. Other approvals (e.g., *Planning Act* approvals for Official Plan or Zoning By-law amendments would need to be in place prior to MNRF's issuance of the permit).

5.1.5 Chatham-Kent Municipal Airport and Transport Canada

The Project Team met with the Chatham-Kent Municipal Airport Manager and Municipality of Chatham-Kent staff who oversee the airport on May 12, 2016. The existing Ridge Landfill site is within 800 metres of the airport and the two facilities have co-existed for over 25 years. The main concern associated with the airport relates to birds and nuisance wildlife that could come into contact with aircraft. As the proposed expansion is moving away from the airport, it was identified to be of limited concern assuming

existing bird management practices are continued. Airport staff indicated that they would prefer to see any necessary woodlot compensation areas as far away from the airport as possible. The proposed expansion would require an extension to the existing Transport Canada zoning exemption. The Chatham-Kent Airport Manager and the Project Team have reached out to Transport Canada to obtain their input on the Project and confirm the requirements to get an extension to the current exemption.

5.2 Response to Agency Comments

Table 4 provides an overview of the agency comments received during the development of the ToR. Also included in the table is PWS' response to these comments identifying how they will be considered in the EA.

TABLE 4: SUMMARY OF AGENCY COMMENTS

Comments and Concerns Received	Consideration of Comments and Concerns
<p>Ministry of the Environment and Climate Change (MOECC)</p> <p>MOECC agreed to review and confirm the list of Indigenous Communities.</p>	<p>PWS used the list of Indigenous Communities as confirmed by MOECC as the basis for contact during the ToR development.</p>
<p>MOECC noted that they expect diversion to be considered in the alternative methods evaluation.</p>	<p>PWS intends to consider diversion in the evaluation of alternative methods. This will include considering the following diversion alternatives: PWS' existing resource recovery system; centralized processing at the Ridge site for Southern Ontario; and centralized processing at the Ridge site for Local Markets. See Section 5.2 of the ToR.</p>
<p>The MOECC indicated that new climate change guidance would be issued in the spring of 2016. It was suggested that the EA should address how climate change will impact the Project as well as how the Project may impact climate change.</p>	<p>PWS will address climate change in the EA, both in how the landfill will minimize the release of greenhouse gasses and how the landfill design will adapt to changing climate conditions. See Section 2.2 of the ToR.</p>
<p>MOECC to provide updated Government Review Team (GRT) List – PWS to notify MOECC prior to publishing the Notice of Commencement to ensure GRT is correct.</p> <p>It was suggested that landfill mining be considered in the EA.</p>	<p>PWS used the updated list as the basis for GRT contact during the ToR development.</p> <p>PWS intends to consider landfill mining as part of site development alternative methods. See Section 5.2 of the ToR.</p>
<p>The evaluation of alternatives should demonstrate consideration of various factors (not just cost), including social, heritage, and natural environment criteria.</p>	<p>Proposed evaluation criteria consider all aspects of the environment when evaluating site development alternative methods. See Section 5.2 of the ToR.</p>

Comments and Concerns Received	Consideration of Comments and Concerns
<p>MOECC recommended the following be considered in the ToR</p> <ul style="list-style-type: none"> • how stakeholders will be engaged in the Project; • discussion on how the ToR was modified based on feedback from stakeholders; and • include a summary of the work plans for each environmental component (i.e., air) to define the studies that will be completed, timing, testing, how the results will be reviewed, etc. 	<p>See Section 6.0 of the ToR for a description of stakeholder engagement. See Appendix A of the Terms of Reference for workplans.</p>
Lower Thames Valley Conservation Authority (LTVCA)	
<p>Due to potential for relocation of the Howard Drain; LTVCA would like to know if the Scott Drain can handle the additional capacity.</p>	<p>Potential impacts from relocating the Howard Drain to the Scott Drain will be included in the EA.</p>
<p>Interested in potential windbreak around the property across Eriean Road.</p>	<p>Berms are being considered to reduce visual impacts and may also provide a wind break.</p>
<p>LTVCA's main interest in the Ridge Landfill Expansion will be the stormwater system.</p>	<p>PWS will continue to liaise with the LTVCA during the EA on matters related to stormwater and drainage.</p>
<p>It was noted that the CA is no longer an acting agent of DFO and the PWS would need to do an online review process.</p> <p>PWS proposed to plant the north woodland potentially starting in spring 2017. LTVCA is willing to help with the tree planting, including applying for grant programs if available. It was noted that there is also an opportunity for PWS to support other LTVCA planting projects. (i.e. at the SW corner of Hwy 40 and Hwy 401).</p>	<p>PWS has reached out to DFO and will continue to liaise with them during the EA.</p> <p>PWS will continue to liaise with the LTVCA on tree planting.</p>

Comments and Concerns Received	Consideration of Comments and Concerns
Municipality of Chatham-Kent (CK)	
The need for the proposed expansion was discussed along with the Chatham-Kent Official Plan requirement to demonstrate that the current facility is within 10 years of the expected site life.	It was confirmed that the ToR will include a demonstration of the need/opportunity for additional capacity. See Section 3.2 of the ToR.
PWS noted that the MOECC is interested in higher diversion in the province and that the Project will consider further diversion opportunities with C-K.	The alternative methods include enhanced diversion system alternatives for future waste diversion opportunities. See Section 5.2 of the ToR.
Planning Approvals - The proposed expansion will require Planning Act approval as some of the expanded site is outside of the area zoned for landfill. Once the preferred site development alternative is known for the expansion, the Planning Act process can be initiated. The application can be put forward once the EA is submitted to MOECC. Chatham-Kent planning staff indicated that public meetings required for the Planning Act can be held at the same time as the EA public meetings.	During the EA, the PWS will continue to liaise with the Municipality of Chatham-Kent to confirm land use approval requirements for the Project along with appropriate timing and consultation coordination.
<p>Chatham Airport - PWS indicated that there will be discussions with Transport Canada (TC) regarding the airport zoning exemption. It was noted that TC is mainly concerned with meeting height limits and bird control.</p> <p>Woodlands – If an OPA for woodland removal is needed, CK would like to fully understand the rationale for tree removal and whether compensation is planned. It was noted that meetings with MNRF have been held about the woodlot and specific studies completed as well as compensation plans would be required as part of the complete application for amendment. It was noted that clarification has been received from MNRF that approval/approval in principle for OPA and zoning changes will be required before MNRF will consider issuing any Endangered Species Act (ESA) permits.</p>	<p>PWS has followed-up with both TC and the Chatham-Kent airport manager.</p> <p>PWS agree to provide studies completed on the on-site woodlots at the appropriate time.</p>

Comments and Concerns Received	Consideration of Comments and Concerns
<p>Consultation – The consultation program was discussed and meeting participants reinforced the importance of making sure the Mayor and councilors were kept informed of the Project.</p> <p>Ministry of Natural Resources and Forestry (MNRF)</p>	<p>Mayor and councilors were notified of the Project immediately prior to the formal public announcement to ensure they had the information needed to advise their constituents.</p>
<p>MNRF indicated that it is the municipality’s responsibility to determine significant wildlife habitat. MNRF will provide technical advice and recommendations for demonstrating no impacts.</p> <p>MNRF would specifically comment on ESA and wetland features if they exist on-site as well as providing technical advice on other natural features. MNRF noted that there is no regulated habitat on site.</p> <p>MNRF indicated that PWS needs to make sure consideration given to the form and function of features being removed and that this form and function is incorporated where features are recreated.</p>	<p>Studies will be undertaken during the EA to characterize the natural environment conditions on site and in the vicinity. This information will be used to assess the potential impact of the proposed expansion on the natural environment. It is noted that there are no ESAs or wetlands on-site.</p> <p>PWS will consider the form and function of natural features during the EA.</p>
<p>MNRF noted that Amphibian breeding occurs in April/May.</p> <p>The swampy area noted on-site may require additional evaluation to determine whether it should be considered a wetland according to MNRF protocol.</p>	<p>This timing will be considered in the undertaking of field work and in the determination of the potential for impacts associated with the proposed expansion.</p> <p>The potential need for a wetland evaluation will be considered during the EA.</p>
<p>Regarding hedgerow removal MNRF indicated that the requirements depend on the hedgerow structure and whether there are trees with potential habitats.</p> <p>The number of stations for bat monitoring was discussed to confirm the field protocol. Subsequent to the meeting MNRF confirmed the number of monitoring stations required.</p>	<p>PWS will appropriately consider hedgerows in the evaluation of alternatives and the impact assessment to be completed during the EA.</p> <p>PWS will continue to use best practices and MNRF guidelines and requirements for conducting field work.</p>

Comments and Concerns Received	Consideration of Comments and Concerns
Chatham-Kent Municipal Airport	
No concerns raised regarding extending the Transport Canada zoning exemption as long as we maintain the height restriction.	PWS will continue to reach out directly to Transport Canada
The key concern regarding the landfill's proximity to the airport relates to the potential for birds to come into contact with aircraft. It was expressed that they would prefer to see any necessary woodlot compensation as far away from the airport as possible.	PWS will continue discussions with agencies on potential woodlot enhancement.
Ministry of Transportation, West Region	
Information about the Project is being circulated within MTO and comments will be sent. A date for providing comments was requested.	MTO will have the opportunity to comment on the draft and final ToR. When documents are distributed for comment a clear indication of the due date for comments will be provided.
Canadian Environmental Assessment Agency	
Based on the information provided this Project does not appear to be described in the Regulations. Requested that the Canadian Environmental Assessment Agency be removed from the distribution list.	Confirmed applicability of regulations to the Project and agree that the Project is not subject to a federal environmental assessment. Removed from distribution list.

6.0 Consultation on the Draft Terms of Reference

The draft ToR and supporting documentation were made available over 30 days for review by the public and government agencies from June 28, 2016 to July 28, 2016. A notice identifying the opportunity to review the draft ToR and associated documents was published along with the notice of the second Open House. The notice was distributed to those on the Project contact list with an accompanying letter inviting them to review the document and provide comments to PWS. The letter and notice can be found in **Appendix A**.

The draft ToR and supporting documentation were posted on the landfill website and available at the second Open House. In total, twenty (20) draft ToR copies were downloaded from the website. Review copies were made available at the locations specified in **Table 5**.

TABLE 5: LOCATIONS FOR PUBLIC REVIEW

Ministry of the Environment and Climate Change, Environmental Assessment and Approvals Branch 135 St. Clair Avenue West, 1st Floor Toronto, ON, M4V 1P5 Tel: 1-800-461-6290/ 416-314-8001 Monday to Friday: 8:30am – 5:00pm	Ministry of the Environment and Climate Change Windsor Area Office 4510 Rhodes Dr., Unit 620 Windsor, ON, N8W 5K5 Tel: 519-948-1464 Monday to Friday: 8:30am – 4:30pm
Chatham Branch, Chatham-Kent Public Library 120 Queen Street, Chatham, ON, N7M 2G6 Tel: 519-354-2940 Monday to Thursday: 9:30am - 8:30pm; Friday: 9:30am – 6:00pm; Saturday: 9:30am – 5:00pm	Blenheim Branch, Chatham-Kent Public Library 16 George Street Blenheim, ON, N0P 1A0 Tel: 519-676-3174 Tuesday and Thursday: 12:00pm-8:00pm, Wednesday and Friday: 10:00am – 3:00pm; Saturday: 12:00pm- 4:00pm
Municipality of Chatham-Kent Civic Centre 315 King St W. Chatham, ON, N7M 1E9 Tel: 519-360-1998 Monday to Friday: 8:30am – 5:00pm	Online at the Ridge Landfill Website: www.ridgelandfill.com

A downloadable link of the draft ToR and supporting documents was sent by email to staff from provincial, municipal and federal agency contacts on the Project contact list. A follow-up email was sent during the review period to remind those stakeholders to provide their input.

Written comments received on the draft ToR are as follows:

- Chatham-Kent responded on July 26, 2016 stating that they had no comments at this stage of the process.
- Lower Thames Valley Conservation Authority responded on July 27, 2016 stating that the draft ToR seemed accurate and they had no comments at this point.
- MOECC provided comments from various reviewers including noise, surface water, groundwater, air quality, and waste, as well as comments from the EA reviewer.

During the review period meetings were held with MOECC to clarify comments received. Key changes made to the ToR in response to the comments received are described below in **Table 6**. Complete comment and response tables are available in **Appendix H**.

TABLE 6: SUMMARY OF KEY CHANGES TO THE DRAFT TERMS OF REFERENCE

Summary of Changes to Draft ToR	
Section	Major Amendments
Executive Summary, Section 1	It was clarified that the expansion was fully encompassed within land owned by PWS and would not result in further land acquisition. The size of the PWS property relative to the current Waste Fill Area and proposed expansion area were also clarified.
Section 2 - Addressing Relevant Provincial Legislation, Plans and Strategies	Clarification was added to confirm that consideration will be given to both climate change mitigation and adaptation. A new subsection related to provincial land use planning policy was added.
Section 2 - Flexibility of the Terms of Reference	A statement was added to reflect that the information presented in the ToR is preliminary and will be confirmed during the preparation of the EA in consultation with the public, Indigenous communities and the government.
Section 3 - Purpose of the Project	A statement was added to reflect that final description of the proposed Undertaking and the rationale for the Project will be confirmed as part of the EA.
Section 3 - Residential Service Area	Text was added to clarify that the annual fill rate is proposed to remain at its current 1.3 million tonnes even with an expansion to the residential service area to all of Ontario.
Section 3 – Establishing Need	Additional text was added to the ToR to clarify that the need for the Project included PWS' business need to continue service to their customers in addition to the need for long-term disposal capacity. It recognized in the ToR that diversion resulting from the <i>Waste-Free</i>

Summary of Changes to Draft ToR

	<i>Ontario Act</i> will influence the need for disposal.
Section 4 - Description of the Environment	<p>A new section was added to provide information on the technical studies that will be undertaken in the EA to create a more detailed description of the environment. It was also clarified that the final detailed description of existing conditions will be provided in the EA.</p> <p>Text was added to clarify that the EA will consider the cumulative environmental effects of existing and planned future undertakings.</p>
Section 4 – Consideration of Past and Future Undertakings	Text was added to clarify that the EA will consider past and future undertakings when determining the potential for environmental effects of this Project.
Section 4 - Biology	Text was added to the ToR to acknowledge that there is low forest cover in Chatham-Kent.
Section 4 – Land Use	Text was added to the ToR to document the policies in the Chatham-Kent Official Plan that relate to landfilling and potential expansion.
Section 4 & Appendix A- Surface Water	The ToR was adjusted to appropriately reflect the drains that receive flows from the Ridge Landfill. It was clarified that EA investigations will include water quality, quantity and habitat considerations including a benthic community inventory. Clarification was also provided that surface water quality investigations will be undertaken on drains that transect the site.
Section 4 & Appendix A- Noise	Text was added to clarify the documents that will guide the noise assessment.
Section 4 & Appendix A - Hydrogeology	The ToR was revised to provide clarity on the overall objective of the hydrogeological assessment.
Section 5 & Appendix A – Design and Operations	The technical work plan summary was revised to clarify that storm water and site traffic management will be included in the Design and Operations plan.
Section 5 – Alternatives to the Undertaking	This section was revised to consider the full definition of the environment through a comparative evaluation of Alternatives to.
Section 5 - Alternative Methods Evaluation Criteria	In the Draft ToR criteria for the evaluation of Alternative Methods only included those that would help distinguish a difference between alternatives. The preliminary draft criteria tables were revised to ensure they reflect all aspects of the environment and indicators were

Summary of Changes to Draft ToR

	added.
Section 5 – Enhanced Diversion	It was clarified that the enhanced diversion alternatives to be considered reflected system alternatives and thus would not result in a determination of specific facilities.
Section 5 – Leachate Management	An assessment of the existing leachate management system, including the Blenheim Waste Water Treatment Plant and associated piping, to confirm sufficient capacity for leachate management from an expanded landfill has been added.
Section 6 - Indigenous Community Treaty Rights	Text was added confirming that the Project falls within the McKee Treaty (1790) and all claims by area First Nations have either been dealt with or have been surrendered at the time of treaty signing.
Section 7 - Commitments and Monitoring	Section 7 of the ToR was amended to add the following commitments: <ul style="list-style-type: none"> • Ongoing consultation Indigenous Communities and agencies. • Provide minimum of 45 days review and comment period for public, Indigenous communities and agencies once the draft EA document is prepared. • Documentation of all correspondence and input received.

7.0

Final Terms of Reference Submission

As described throughout this report, a combination of public, stakeholder, Indigenous Communities, and agency input was used to assist the Project Team in preparing the final ToR for the Project.

The review period for the ToR is from November 18, 2016 to December 18, 2016. Notice of Submission of the ToR notifying people of the availability of the document for review appeared in local papers on November 16th and 17th (please refer to **Table 1** for the list of newspapers). Letters and emails were sent to all on the contact list for the Project to advise them of the submission. The Notice of Submission and associated cover letters can be found in **Appendix A**.

Copies of the ToR were made available for the public review both electronically on the landfill website and in hard copy in various community locations as shown in **Table 5**.

During the formal 30 day review period for the ToR, comments were received from the Ministry of Environment and Climate Change, Ministry of Natural Resources, Ministry of Transportation, Walpole Island First Nation, Aamjiwnaang First Nation and two members of the public. Generally comments received relate to the EA for the project and will be taken into consideration at that time. PWS responded to the comments received as shown in the tables in **Appendix I**.

Minor modifications were made to the ToR to provide clarification related to some of the comments received and an amended ToR was provided to the Ministry of Environment and Climate Change and uploaded to the project website on February 10, 2017. A summary of changes incorporated into this amended ToR is provided in **Table 7**.

Following the submission of the amended ToR to the MOECC PWS will continue to engage with the public, stakeholders, Indigenous Communities and agencies to monitor and address issues and concerns.

If the ToR is approved by the MOECC, the Project Team will proceed with the EA preparation. The Consultation Plan for the EA is provided in Section 6 of the ToR.

TABLE 7: MINOR MODIFICATIONS MADE TO AMENDED TOR

Summary of Changes to Final Terms of Reference	
Section	Minor Amendments
Sections 2.2 and 4.4.1.2	Text was amended to clarify the project falls within the Thames-Sydenham and Region Source Protection Area; however the Project does not fall within any designated vulnerable areas.

Summary of Changes to Final Terms of Reference

Section 2.2.1	Text was amended to clarify that the 30 metre operational/maintenance buffer for landfill sites is a minimum buffer and that buffer areas are typically 60 m to 100 m.
Section 3.3	Text was amended to clarify that the final description of the proposed undertaking, including possible changes/modifications to the service area for residential waste, and rationale for the Project will be confirmed in the EA once alternatives have been considered and evaluated.
Section 4	Text was added to clarify that the timing for the development of a biogas facility has not been confirmed.
Section 6.1.1	Additional text was added to reflect that the Ridge Landfill is within the Traditional Territory of the Indigenous Communities noted as part of the study and that these Indigenous Communities have Traditional Territory rights that can be asserted.
Appendix A	Additional detail was added to the Air Quality Technical Work Plan Summary

Appendix A

Notices during Terms of Reference

Summary of Project Contact List

Landowners within 1 km of the site and along the haul route

Ridge Landfill Liaison Committee

Ridge Landfill Community Trust

Chatham-Kent Staff

- Mayor Randy Hope
 - Ward 2 – Councillor Karen Herman
 - Ward 2 – Councillor Trevor Thompson
 - Ward 2 – Councillor Frank Vercooteren
 - Ward 1 – Councillor Bryon Fluker
 - Ward 1 – Councillor Mark Authier
 - Ward 3 – Councillor David VanDamme
 - Ward 3 – Councillor Steve Pinsonneault
 - Ward 4 – Councillor Joe Faas
 - Ward 4 – Councillor Leon Leclair
 - Ward 5 – Councillor Carmen McGregor
 - Ward 5 – Councillor Jeff Wesley
 - Ward 6 – Councillor Michael Bondy
 - Ward 6 – Councillor Darrin Canniff
 - Ward 6 – Councillor Brock McGregor
 - Ward 6 – Councillor Bob Myers
 - Ward 6 – Councillor Derek Robertson
 - Ward 6 – Councillor Doug Sulman
-

Provincial Elected Officials

- MPP (Chatham-Kent Essex) Rick Nicholls
 - Minister Glen Murray
 - Senior Policy Advisor Colin O'Meara
-

Federal Elected Officials

- MP (Chatham-Kent Essex) Dave VanKesteren
-

Adjacent Municipalities

- Lambton County - Clerk
- Middlesex County - Clerk
- Elgin County – Clerk
- Essex County - Clerk

Regulatory Agencies

- Ministry of Agriculture, Food and Rural Affairs
 - Ministry of Municipal Affairs and Housing
 - Ministry of Natural Resources and Forestry
 - Ministry of Transportation
 - Ministry of the Environment and Climate Change
 - Municipal of Chatham-Kent
 - Aboriginal Affairs and Northern Development Canada
 - Environment Canada
 - Transport Canada
 - Fisheries and Oceans Canada
 - Lower Thames Valley Conservation Authority
 - Chatham-Kent, ON-Kent Fire Department
 - Ontario Provincial Police
 - Chatham-Kent, ON-Kent Police Services
-

Summary of Project Contact List

Participants during the EA Terms of Reference

Participants from the Ridge Landfill EA expansion project (1997) and the EA process to increase daily/annual waste inputs (2011)

Indigenous Communities

- Chiefs of Ontario
 - Caldwell First Nations
 - Chippewas of the Thames First Nation
 - Kettle and Stoney Point First Nation
 - Moravian of the Thames
 - Munsee-Delaware Nation
 - Oneida Nation of the Thames
 - Walpole Island First Nation
 - Metis Nation of Ontario
 - Aamjiwnaang First Nation
-

Stakeholders

- BIA Blenheim
 - Chatham-Kent Chamber of Commerce
 - Thomson Seed
 - Union Gas
 - Community Living Chatham-Kent
 - Golden Kiwanis
 - Rotary Club
 - Kent Federation of Agriculture
-

Local District School Boards

PWS Local Suppliers

Notice of Commencement –Terms of Reference & Notice of Public Open House Ridge Landfill, Blenheim, Ontario

Progressive Waste Solutions Canada Inc. (PWS, formerly BFI Canada Inc.) is initiating a study under the *Environmental Assessment Act* to expand the footprint of the existing Ridge Landfill. The Ridge Landfill has been serving the Chatham-Kent community for 50 years and will reach its approved capacity by approximately 2022. An expanded Ridge Landfill would continue to provide long term residual waste disposal capacity beyond this time frame to help Chatham-Kent and Ontario meet the needs of a growing population.



The Process

This study will be carried out in accordance with the requirements of the *Environmental Assessment Act* (EAA). The first step in the process is the preparation of a Terms of Reference (ToR). The ToR will set the framework for addressing the EAA requirements, including the alternatives that will be considered and the public consultation activities that will be carried out. The ToR requires approval by the Minister of the Environment and Climate Change.

Consultation

Public consultation is a very important aspect of this process. Members of the public, agencies, Indigenous communities and other interested persons are encouraged to actively participate in the planning process by attending consultation opportunities or contacting PWS to provide comments or ask questions.

Consultation opportunities will be held throughout the planning process and notice will be provided through advertisement in the Blenheim News Tribune, Chatham Daily News, Chatham This Week and Chatham Voice; distribution to the project contact list; and through postings at www.ridgelandfill.com. Please visit the website to sign-up to be on the project contact list.

For further information please contact:

Cathy Smith
Project Manager
Progressive Waste Solutions Canada Inc.
T: 519-676-5000
E: cathy.smith@progressivewaste.com

Under the *Freedom of Information and Protection of Privacy Act* and the *Environmental Assessment Act*, unless otherwise stated in the submission, any personal information such as name, address, telephone number and property location included in a submission will become part of the public record files for this matter and will be released, if requested, to any person.

Notice published (April 20, 2016)

You are Invited to a Public Open House!

The first Public Open House for the proposed Ridge Landfill Expansion will introduce the project and provide information on the terms of reference process.

Time & Date: May 3, 2016 from 5:00pm - 8:00pm
Location: St. Mary's Hall, 94 George St. Blenheim, ON

Pegg gains valuable experience in tech skills competition

SCOTT MECHANICAL
HEATING, COOLING & PLUMBING
Brandon Vandehogen
519-809-1208
Sales www.scottmechanical.ca Service

Blenheim Legion TWO 50/50 DRAWS!

YEAR-END MEAT DRAW
Saturday, April 30th

Doors Open at 11:30 am
\$3000 WORTH OF MAJOR PRIZES!
Draws start at 1:00 pm

MANY DOOR PRIZES!
Upstairs & Downstairs! Food Available!
EXTRA MEAT DRAWS!

EVERYONE WELCOME!
MONTH END DRAW - APRIL 23RD -

Although he didn't finish in the top three, Brayden Pegg felt like a winner at the Ontario Technical Skills Competition Western Area competition on Saturday.

He was among 17 other secondary school students entered in the welding category at Fanshawe College.

"It was a good experience in that kind of environment, I learned a few tricks," Pegg said.

"I'd recommend it to anyone," Pegg said of the OTSC.

He qualified by winning the local competition in Sarnia on March 30.

"I didn't really expect that," Pegg said of his first-place finish.

Pegg, along with classmate Jack Noble, were the first Blenheim District High School students to enter the OTSC.

The top three from Sarnia advanced to Fanshawe, where the top three from the

Western Area competition move on to the OTSC provincial competition on May 2-4 in Waterloo.

There is a slight chance Pegg could still go to the provincials, as there are three wild cards available, if any competitors drop out, to be announced today.

"There was a lot of good competition, a lot of them are all ticketed welders who have full welding classes at their schools," said Pegg.

"Their class entails they have to pass their ticket," he said.

B.D.H.S. offers welding as a portion of its manufacturing class.

Pegg was able to enhance his welding skills through the school's co-op program at Kent Fabricators Ltd.

His goal is to become a commercial diver for underwater construction, following in his father John Pegg's footsteps.

Pegg will be taking a three-month aquatics



B.D.H.S. student Brayden Pegg won the local Ontario Technical Skills Competition in Sarnia, which allowed him to go to the Western Area regionals at Fanshawe College this past weekend.

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science course at the Canadian Working Divers Institute in Chapleau, Ont. Beginning in August.

B.D.H.S. will sending a bus load of its co-op and SHSM students to Waterloo for the OTSC, as there will a number of

manufacturers and post-secondary schools on site to promote their job availability and courses for students in various fields.

B.D.H.S. plans on sending more students - welders and carpenters - to the OTSC next year.

Domestic charges laid

A 41-year-old Blenheim man was arrested last Wednesday by the CKPS and charged with three counts of assault stemming from an incident a day earlier.

The man attended his ex-girlfriend's home in Blenheim to retrieve personal belongings.

An argument ensued

resulting in the man assaulting the woman.

The man fled the area prior to police arrival and through investigation, the woman disclosed that this was not the first time she had been the victim of domestic violence.

Police located and arrested the man on Wednesday morning.

Bothwell man charged in shooting

A Bothwell man, Dilan Jacobs, was arrested by the Essex detachment of the Ontario Provincial Police Crime Unit after an incident on March 11 that left a 22-year-old Ridgetown woman with non-life threatening gunshot wounds.

Chatham-Kent Ontario Provincial Police officers responded to a report regarding an injury sustained by the Ridgetown woman around 7 p.m. on that date while she was fishing on the banks of the Thames River near Bothwell.

An investigation by members of the Essex OPP Crime Unit, Middlesex OPP Crime Unit, Moraviantown First Nation Police, Chatham Kent OPP, Chatham-Kent OPP Identification Unit, OPP Canine Unit and

Provincial Liaison Team led to the identity of suspect.

Jacobs was charged with Criminal Negligence Cause Bodily Harm, Careless Use of a Firearm, Unauthorized Possession of a Firearm and Fail to Comply with Probation Order.

The accused was held for a bail hearing to answer to the charges.

Any person with information regarding this incident should immediately contact the Ontario Provincial Police Criminal Investigation Branch at 1-888-310-1122 or (705) 329-6111, or their nearest police authority.

Should you wish to remain anonymous, you may call Crime Stoppers at 1-800-222-8477 (TIPS) where you may be eligible to receive a cash reward of up to \$2000.

OPP remind motorists about slow moving farm machinery

The Ontario Provincial Police Chatham-Kent Detachment remind all motorists travelling in rural areas, around the municipality to be mindful when you may see farm machinery being operated on roadways.

Slow-moving farm equipment on roadways can present significant challenges for both motorists and farmers, particularly at this time of year.

As farmers begin to prepare for planting season in good weather

conditions, the OPP encourage farmers, and motorists, to review road safety practices.

While farm equipment is permitted on roadways at all times of year, it is a more common sight during the busy season.

Motorists who are unaccustomed to encountering farm equipment on the road are often unprepared to safely follow slow-moving tractors towing large, specialized pieces of equipment such as combines and grain

wagons.

The OPP reminds farmers there are specific rules farm equipment operators are required to follow to keep our roads safe.

For example, drivers must be at least 16 years of age and all farm equipment drivers should practice a 'no rider's policy.'

Farm vehicles must yield half the roadway to oncoming traffic, they must be properly lit and have signal turns. Farm vehicles should be driven on the travelled por-

tion of the road, because road shoulders may not support the weight of farm equipment.

Tractors and farm equipment still follow the rules of the road, and that means no cell phones while driving.

It's always good practice to keep your lights on when travelling roadways - especially around dawn and dusk.

Every tractor, combine, or towed implement must display a slow moving vehicle sign to warn motorists that the vehicle will not reach highway speeds.

Equipment displaying a slow moving vehicle sign is limited to a maximum speed limit of 40 kilometres per hour.

Equipment often requires operators to travel at lower speeds because wide turns and heavy loads make it difficult to stop quickly or turn easily on roadways.

The OPP encourages everyone - farmers and motorists - to consider road safety practices when farm equipment travels on roadways.

For more information visit www.ofa.on.ca on farm safety please

RM Classic Car Exhibit bringing back Cars & Coffee on select Saturdays

The first of three scheduled 'Cars & Coffee' events will take place on Saturday, May 7, from 8-11 a.m.

The other confirmed dates are June 11 and July 9.

Cars & Coffee is open to everyone, offering a relaxed morning for guests to take exclusive tours of the RM Classic Car Exhibit and the RM Auto Restoration Shop.

Cars & Coffee was first introduced last summer via a series of Saturday-morning meets at RM Auto Restoration's facilities, with each event attracting more than 100 cars.

The event is an impromptu car show, as enthusiasts are encouraged to bring out their classic rides for display.

Complimentary donuts and coffee will be supplied at each event for the first 250 guests, courtesy RM Auto Restoration and Tim Hortons.

The RM Classic Car

exhibit closed on Dec. 31 after the municipality closed the Chatham-Kent Visitor Information Center inside the facility at One Heritage Drive.

However, RM Classic decided to continue holding the Cars & Coffee events on select dates.

Visitors will get exclusive tours of the RM Classic Car Exhibit, providing attendees opportunity to inspect an incredible assortment of historic and rare rides;

There will be a raffle draw to win a test on the RM dynamometer. Tickets will be available for \$2 each or three for \$5, with proceeds benefitting the Dana Brezzi Memorial Fund - a charity established at the Foundation of Chatham-Kent Health Alliance in the name of RM's dear friend and colleague.

Visitors will also have the opportunity to get to know the RM team and get a glimpse inside

the world-renowned RM Auto Restoration shop, as well as preview auction vehicles slated to go under the RM gavel this summer.

Further details on the upcoming RM Cars & Coffee events are available on Facebook at: www.facebook.com/rmcarscoffee

Blenheim Legion

Everyone Welcome!

Family Breakfast

9am to 1pm
for MOTHER'S DAY



Scrambled Eggs,
Hash Browns,
Toast, Bacon,
Ham, Pancakes,
Juice, Coffee
& Tea

\$10

TAX INCL.

Children 5-11 \$7
4 & under Free

Pilot makes emergency landing

A 58-year-old Chatham man was not injured after making an emergency landing near the Chatham-Kent Municipal Airport on Sunday morning.

Chatham-Kent Police received information that a plane had just been seen landing in the area of Drury Line.

Officers located the pilot in a field on Erteau Road, south of Drury Line.

His Challenger Ultralight airplane ran out of fuel before he could return to the airport forcing him to make an emergency landing.

The plane sustained

damage to its landing gear.

It was the second emergency landing at the airport in the past six months.

A 66-year-old pilot from Thamesville suffered non-life threatening injuries after his plane crashed near the airport on Oct. 2.

The pilot had just taken off from the airport and appeared to be having a mechanical failure in the small-craft plane.

The pilot tried to return to the airport but had to make an emergency landing in a corn field on the east side of Charing Cross Road.

Man faces domestic charges

A 36-year-old Blenheim man was arrested and faces charges after a domestic incident last Wednesday.

Chatham-Kent Police were responded to a disturbance at an apartment in Blenheim around 6 p.m.

Police learned that a man had choked his wife during an argument.

The 31-year-old woman was transported to the Chatham-Kent Health Alliance for medical attention. She was treated and released.

Officers further learned that this was not the first time the woman had been the victim of domestic violence.

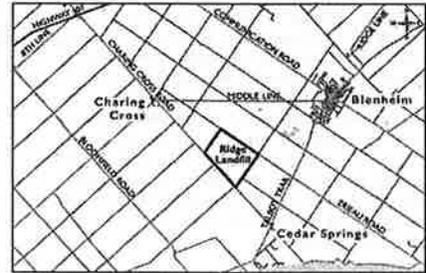
The day before, the man assaulted her and broke her Samsung tablet.

The Blenheim man was charged with assault, mischief under \$5,000 and overcoming resistance to commission of offence.

He was held in custody pending a bail hearing.

Notice of Commencement - Terms of Reference & Notice of Public Open House Ridge Landfill, Blenheim, Ontario

Progressive Waste Solutions Canada Inc. (PWS, formerly BFI Canada Inc.) is initiating a study under the *Environmental Assessment Act* to expand the footprint of the existing Ridge Landfill. The Ridge Landfill has been serving the Chatham-Kent community for 50 years and will reach its approved capacity by approximately 2022. An expanded Ridge Landfill would continue to provide long term residual waste disposal capacity beyond this time frame to help Chatham-Kent and Ontario meet the needs of a growing population.



The Process

This study will be carried out in accordance with the requirements of the *Environmental Assessment Act* (EAA). The first step in the process is the preparation of a Terms of Reference (ToR). The ToR will set the framework for addressing the EAA requirements, including the alternatives that will be considered and the public consultation activities that will be carried out. The ToR requires approval by the Minister of the Environment and Climate Change.

Consultation

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Time & Date: May 3, 2016 from 5:00pm - 8:00pm
Location: St. Mary's Hall, 94 George St, Blenheim, ON

Consultation opportunities will be held throughout the planning process and notice will be provided through advertisement in the Blenheim News Tribune, Chatham Daily News, Chatham This Week and Chatham Voice; distribution to the project contact list; and through postings at www.ridgelandfill.com. Please visit the website to sign-up to be on the project contact list.

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NEWS

Two local ECE students heading to China

The Chatham Voice

Two of St. Clair College's Early Childhood Education (ECE) students headed off to China this week to experience the field placement of a life time.

Victoria Horrobin and Delta Haymes, both second year ECE students at the college's Thames Campus, are in Taiyuan, China for an eight week placement at the King Sun Primary School located in China's Shanxi Province, with all expenses paid by the school.

Program Coordinator Brenda Huff found out about the opportunity and offered it to the students, who both jumped at the chance to go. When asked why she wanted to go, Horrobin answered, "Why wouldn't I want to

go?" "I believe that travel is one of the best educators, and this opportunity is a great way to enrich my education. I aspire to become an elementary school teacher and this opportunity to go and teach in a school in a completely different culture will give me a new look at teaching, and a unique experience I would not have had here in Canada," she said.

The pair took a variety of teaching materials with them for the children to use in hands-on activities.

"I hope the children discover that learning can be interactive and fun and that they will learn some English from the activities we will be implementing," said Horrobin.

Horrobin is excited to be a student and have the chance

to learn about Chinese culture, along with different learning styles and new ways to teach literacy to children whose first language is something other than English. She believes is a great asset as the world becomes more globalized.

The two students will be back in home in mid-June just in time to graduate.

"This is an incredible opportunity that has been offered both Delta and I," Horrobin noted. "I am so grateful to everyone who has helped make this happen, particularly Brenda Huff, Quan and Peter Shi, and St. Clair College. I hope to bring much into this school, but even more so, take much away from it as you should never stop learning."

Legion event features Voice



Bruce Corcoran/The Chatham Voice

Some 200 members of the Royal Canadian Legion were in Chatham during the weekend as Branch 642 hosted this year's District A Convention. There are 58 branches in the district that stretches from Windsor to London. Delegates discussed new policies and programs, and ways to help communities through programs. Here Gabriele Maynard and Sharon Chapple place copies of The Chatham Voice in each delegates' welcome package. The event concluded with a parade from the branch to the Cenotaph Sunday morning.

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The Process

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You are Invited to a Public Open House!

The first Public Open House for the proposed Ridge Landfill Expansion will introduce the project and provide information on the terms of reference process.

Time & Date: May 3, 2016 from 5:00pm - 8:00pm
Location: St. Mary's Hall, 94 George St, Blenheim, ON

Consultation opportunities will be held throughout the planning process and notice will be provided through advertisement in the Blenheim News Tribune, Chatham Daily News, Chatham This Week and Chatham Voice; distribution to the project contact list; and through postings at www.ridgelandfill.com. Please visit the website to sign-up to be on the project contact list.

For further information please contact:

Cathy Smith
Project Manager
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E: cathy.smith@progressivewaste.com

Under the *Freedom of Information and Protection of Privacy Act* and the *Environmental Assessment Act*, unless otherwise stated in the submission, any personal information such as name, address, telephone number and property location included in a submission will become part of the public record files for this matter and will be released, if requested, to any person.

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RM brings back Cars & Coffee

The Chatham Voice

Glimpse inside one of world's leading restoration facilities for collector cars at this year's Cars & Coffee events kicking off on May 7 at RM Auto Restoration.

Cars & Coffee was introduced last summer with each event attracting more than 100 cars, and enthusiasts, travelling from as far away as Toronto.

Auto enthusiasts are encouraged to bring out their classic rides for display of an impromptu car show.

Preview auction vehicles slated to go under the RM gavel this summer, and tour the exclusive RM Classic Cars Exhibit that is opening its doors specifically for the event,

providing attendees with the opportunity to inspect an incredible assortment of historic and rare rides.

Win a test on the RM dynamometer through a raffle draw. Proceeds will benefit a charity established at the Foundation of Chatham-Kent Health Alliance in the name of RM's dear friend, Dana Brezzi.

Complimentary donuts and coffee will be supplied at each event for the first 250 guests, courtesy of RM Auto Restoration and Tim Hortons. The event runs from 8 a.m. to 11 a.m., rain or shine.

Cars & Coffee will continue on June 11 and July 9.

RM Auto Restoration is located on 1 Classic Car Dr., north of Blenheim.

Miss Retrofest is revamped

The Chatham Voice

The Downtown Chatham Centre is announcing that the Miss Retrofest online photo contest has been revamped and is continuing for 2016 in time for Retrofest weekend on May 27 and 28.

Some changes will be made to improve the contest for its third year. Submissions will require a photo of the contestant dressed in retro fashions and a few words on why they love being "retro." Interested participants must be 18 years or older.

Submissions will be accepted at facebook.com/downtownchathamcentre until April 29.

From there a panel of judges will select a winner then release five runners-up to a voting process to win the title of "People's Choice."

Miss Retrofest 2016 will be announced on May 4. Voting for the "People's Choice" will start May 10 both online and inside the mall.

All contestants that entered will be part of a special display inside the mall that will recognize the ladies leading up to the Retrofest weekend.

The winner will receive a VIP treatment during Retrofest which includes riding as a guest of honour in the OLG Classic Car Cruise, a personal stylist and shopping spree at Suzy Shier, retro make-over from The Hair Studio at Sears and Gloss Wedding Make-up & Esthetics, a pin-up inspired photo shoot with April Colby Photography, and presenting plaques at the Retrofest award ceremony.

The Miss Retrofest contest is open to all women but are asked that all photos are kept classy - no lingerie, nude or overly sexual pictures will be accepted.

For further details visit downtownchathamcentre.ca or e-mail Jaclyn Gillier, Miss Retrofest organizer and fellow retro fashion enthusiast at jaclyn@downtownchathamcentre.ca.

Crawford named prez of OCSOA

The Chatham Voice

One of the St. Clair Catholic District School board's superintendents of education was recently named president of the Ontario Catholic Supervisory Officers' Association at the annual general meeting in London recently.

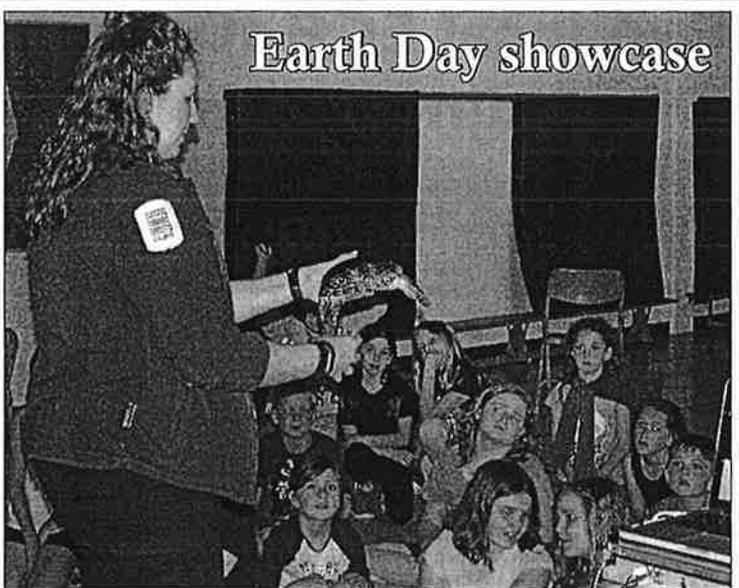
"It is important that OCSOA's voice in support of Catholic education and Catholic educational leadership in Ontario is ardent, informed and united," Deb Crawford said.

Crawford will be leading the On-

tario Catholic Supervisory Officers' Association for 2016 to 2017.

At a special Mass on April 15, Crawford and the newly chosen OCSOA Executive, as well as St. Clair Catholic's newly appointed superintendents of education, Laura Callaghan and Scott Johnson, received a blessing and commissioning.

"The OCSOA annual general meeting is always a tremendous celebration of the important work of Catholic education in our province," Dan Parr, director of education with the St. Clair board, said.



Jim Blake/The Chatham Voice

Students at St. Ursula's School celebrated Earth Day Friday with a visit from Rondeau Provincial Park employees Gabby Nichols and Cailin Sparks who talked about the park's unique natural features and habitat.

Notice of Commencement –Terms of Reference & Notice of Public Open House Ridge Landfill, Blenheim, Ontario

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WORLD NEWS

Greece returns Syrian refugees

Country will construct four more camps for migrants, refugees

ATHENS — Greece on Wednesday returned 12 Syrians, including a woman and her four children, to Turkey as part of a European Union-Turkey agreement aiming to stop the flow of refugees and migrants across the Aegean to Europe's more prosperous heartland.

The 12 were flown from the Greek island of Lesbos to Adana in Turkey by a plane chartered by the European border agency Frontex, Greece's citizens' protection ministry said, noting all had expressed the wish to return and none had applied for asylum in Greece.

Under last month's EU-Turkey deal, people arriving clandestinely on Greek islands from Turkey from March 20 onward face being returned unless they successfully apply for asylum in Greece. So far, 386 people have been returned under the deal, Greece says.

Nearly 54,000 people are stranded in Greece after Europe closed its land borders to the migration flow last month, Greece



A family of migrants gather outside their tents at a makeshift camp in the northern border point of Idomeni, Greece, on Wednesday.

said Wednesday it would construct a further four camps for them. In an effort to gradually clear an improvised camp on the border with Macedonia.

Giorgos Kyritsis, spokesman for refugee and migration affairs, said the government hoped to be able to move at least 4,500 people into newly constructed and existing camps in the next 10 days, or more than a third of those cur-

rently camped out near the village of Idomeni on the Greek-Macedonian border. Kyritsis said four areas outside the northern city of Thessaloniki have been identified for new

camps: Two former factories, a former logistics company and a former warehouse.

Meanwhile, Austrian police said Wednesday they are planning three freeway checkpoints at the Brenner crossing, the major transit point to Italy, in anticipation that migrants unable to enter from the Balkans will turn their attention to that route.

Another checkpoint will be located on the two-lane highway and a 370-metre fence is to be put up in the area to prevent attempts at unauthorized crossing.

Police also say that trains entering Austria at the Brenner will be stopped for controls.

Italy responded warily, with Premier Matteo Renzi saying that any move to close the Brenner Pass would be "blatantly against European rules."

Austria fears that with the West Balkan route to migrants closed they will make their way to Italy and try to enter from there.

Construction of the fence and other facilities began earlier this month. Police did not give a completion date. The speaker of Italy's lower house, Laura Boldrini, said Austria's moves are ill-considered, "because they divide." Associated Press

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Tirecraft Chatham is currently seeking a Part Time Office Admin for 3-4 hrs per day, Mon-Fri. Experience preferred. Not suitable for students. Competitive wages and benefits are offered. Drop resume to Tirecraft Chatham 370 Richmond St. or email marklegacy@chathamtire.com **NO PHONE CALLS PLEASE**
Only qualified applicants will be contacted.

Notice of Commencement –Terms of Reference & Notice of Public Open House Ridge Landfill, Blenheim, Ontario

Progressive Waste Solutions Canada Inc. (PWS, formerly BFI Canada Inc.) is initiating a study under the *Environmental Assessment Act* to expand the footprint of the existing Ridge Landfill. The Ridge Landfill has been serving the Chatham-Kent community for 50 years and will reach its approved capacity by approximately 2022. An expanded Ridge Landfill would continue to provide long term residual waste disposal capacity beyond this time frame to help Chatham-Kent and Ontario meet the needs of a growing population.



The Process
This study will be carried out in accordance with the requirements of the *Environmental Assessment Act* (EAA). The first step in the process is the preparation of a Terms of Reference (ToR). The ToR will set the framework for addressing the EAA requirements, including the alternatives that will be considered and the public consultation activities that will be carried out. The ToR requires approval by the Minister of the Environment and Climate Change.

Consultation
Public consultation is a very important aspect of this process. Members of the public, agencies, Indigenous communities and other interested persons are encouraged to actively participate in the planning process by attending consultation opportunities or contacting PWS to provide comments or ask questions.

You are Invited to a Public Open House!

The first Public Open House for the proposed Ridge Landfill Expansion will introduce the project and provide information on the terms of reference process.

Time & Date: May 3, 2016 from 5:00pm - 8:00pm
Location: St. Mary's Hall, 94 George St, Blenheim, ON

Consultation opportunities will be held throughout the planning process and notice will be provided through advertisement in the Blenheim News Tribune, Chatham Daily News, Chatham This Week and Chatham Voice; distribution to the project contact list; and through postings at www.ridgelandfill.com. Please visit the website to sign-up to be on the project contact list.

For further information please contact:
Cathy Smith
Project Manager
Progressive Waste Solutions Canada Inc.
T: 519-676-5000
E: cathy.smith@progressivewaste.com

Under the *Freedom of Information and Protection of Privacy Act* and the *Environmental Assessment Act*, unless otherwise stated in the submission, any personal information such as name, address, telephone number and property location included in a submission will become part of the public record files for this matter and will be released, if requested, to any person.

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April 20, 2016

Immediate Neighbours

Dear _____:

As an immediate neighbour, we want to advise you about our plans to seek an expansion of the Ridge Landfill.

Progressive Waste Solutions is announcing on Wednesday, April 20th that it is proposing to continue the operation of its landfill and expand the Ridge Landfill. Our other proposed future plans for the landfill include: the development of a biogas facility to convert landfill gas into a pipeline quality natural gas; the expansion of a public drop-off depot to allow residents and businesses to divert household hazardous and electronic wastes and other recyclables including scrap wood, scrap metal, drywall, concrete, tires, paints, etc., which are not being collected in the current residential recycling program, and; the construction of a new community activity centre.

The landfill would continue to be designed, developed and operated following stringent Ontario Ministry of Environment and Climate Change landfill regulations and will not involve an increase to current annual waste volumes.

The Ridge Landfill will continue its annual contribution of approximately \$13 million into the local economy, including directly contributing \$4 million annually to the local community as well as other direct and indirect benefits on average of \$9 million annually in salaries, construction and road maintenance, goods and services purchased, taxes, etc.

The proposed expansion will require the completion of an Individual Environmental Assessment (EA) under the Ontario EA Act in a mandatory two-step process.

- The first step involves the preparation of an EA Terms of Reference (ToR) which identifies the need/opportunity for disposal capacity and outlines the road map for the EA. The ToR must be approved by the Ministry of Environment and Climate Change.
- The second step is undertaking the EA. The EA would look at different ways to develop the facility, the potential for environmental effects and how effects could be mitigated.

Both steps will provide opportunities for consultation with neighbours, local residents and other stakeholders.

Page 2

«Salutation1» «First_Name» «Last_Name»

«Salutation2» «Last_Name_2»

April 20, 2016

Your input is very important and you will likely have questions and want to know that the environment and the enjoyment of the property will be protected. The public consultation process will begin with an Open House on May 3rd at St. Mary's Hall, 94 George Street in Blenheim from 5:00 to 8:00 pm.

We look forward to keeping in touch throughout this process. If you have any questions or comments, please call us at (519) 676-5000 or visit our website – www.ridgelandfill.com.

Yours sincerely,



Cathy Smith
Project Manager



Tim Kozlof
District Manager



400 Applewood Crescent, 2nd Floor
Vaughan, ON L4K 0C3
T: 905 532 7510 F: 905 532 7576
www.progressivewaste.com

April 20, 2016

Residents within 1km

As a neighbor to our landfill, we want to advise you about our plans to seek an expansion of the Ridge Landfill.

Progressive Waste Solutions is announcing on Wednesday, April 20th that it is proposing to continue the operation of its landfill and expand the Ridge Landfill. Our other proposed future plans for the landfill include: the development of a biogas facility to convert landfill gas into a pipeline quality natural gas; the expansion of a public drop-off depot to allow residents and businesses to divert household hazardous and electronic wastes and other recyclables including scrap wood, scrap metal, drywall, concrete, tires, paints, etc., which are not being collected in the current residential recycling program, and; the construction of a new community activity centre.

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Both steps will provide opportunities for consultation with neighbours, local residents and other stakeholders.

Page 2

«Salutation» «First_Name» «Last_Name»

«Salutation2» «First_Name_2» «Last_Name_2»

April 20, 2016

Your input is very important and you will likely have questions and want to know that the environment and the enjoyment of the property will be protected. The public consultation process will begin with an Open House on May 3rd at St. Mary's Hall, 94 George Street in Blenheim from 5:00 to 8:00 pm.

We look forward to keeping in touch throughout this process. If you have any questions or comments, please call us at (519) 676-5000 or visit our website – www.ridgelandfill.com.

Yours sincerely,



Cathy Smith
Project Manager



Tim Kozlof
District Manager

April 20, 2016

Residents and Businesses along Haul Route

As a resident or business along the route to our landfill, we want to advise you about our plans to seek an expansion of the Ridge Landfill.

Progressive Waste Solutions is announcing on Wednesday, April 20th that it is proposing to continue the operation of its landfill and expand the Ridge Landfill. Our other proposed future plans for the landfill include: the development of a biogas facility to convert landfill gas into a pipeline quality natural gas; the expansion of a public drop-off depot to allow residents and businesses to divert household hazardous and electronic wastes and other recyclables including scrap wood, scrap metal, drywall, concrete, tires, paints, etc., which are not being collected in the current residential recycling program, and; the construction of a new community activity centre.

The landfill would continue to be designed, developed and operated following stringent Ontario Ministry of Environment and Climate Change landfill regulations and will not involve an increase to current annual waste volumes.

The Ridge Landfill will continue its annual contribution of approximately \$13 million into the local economy, including directly contributing \$4 million annually to the local community as well as other direct and indirect benefits on average of \$9 million annually in salaries, construction and road maintenance, goods and services purchased, taxes, etc.

The proposed expansion will require the completion of an Individual Environmental Assessment (EA) under the Ontario EA Act in a mandatory two-step process.

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Both steps will provide opportunities for consultation with neighbours, local residents and other stakeholders.

Page 2
Tim Kozlof
April 20, 2016

Your input is very important and you will likely have questions and want to know that the environment and the enjoyment of the property will be protected. The public consultation process will begin with an Open House on May 3rd at St. Mary's Hall, 94 George Street in Blenheim from 5:00 to 8:00 pm.

We look forward to keeping in touch throughout this process. If you have any questions or comments, please call us at (519) 676-5000 or visit our website – www.ridgelandfill.com.

Yours sincerely,



Cathy Smith
Project Manager



Tim Kozlof
District Manager



400 Applewood Crescent, 2nd Floor
Vaughan, ON L4K 0C3
T: 905 532 7510 F: 905 532 7576
www.progressivewaste.com

April 20, 2016

Local Stakeholders:

We want to advise you that Progressive Waste Solutions has announced today that it will be seeking an expansion of the Ridge Landfill. Attached is the newsletter that we're sending out to our neighbours, those along the haul route, and the communities of Blenheim, Charing Cross and Cedar Springs.

Our other proposed future plans for the landfill include: the development of a biogas facility to convert landfill gas into a pipeline quality natural gas; the expansion of a public drop-off depot to allow residents and businesses to divert household hazardous and electronic wastes and other recyclables including scrap wood, scrap metal, drywall, concrete, tires, paints, etc., which are not being collected in the current residential recycling program, and; the construction of a new community activity centre.

The landfill would continue to be designed, developed and operated following stringent Ontario Ministry of Environment and Climate Change landfill regulations and will not involve an increase to current annual waste volumes.

The Ridge Landfill will continue its annual contribution of approximately \$13 million into the local economy, including directly contributing \$4 million annually to the local community as well as other direct and indirect benefits on average of \$9 million annually in salaries, construction and road maintenance, goods and services purchased, taxes, etc.

The proposed expansion will require the completion of an Individual Environmental Assessment (EA) under the Ontario EA Act in a mandatory two-step process.

- The first step involves the preparation of an EA Terms of Reference (ToR) which identifies the need/opportunity for disposal capacity and outlines the road map for the EA. The ToR must be approved by the Ministry of Environment and Climate Change.
- The second step is undertaking the EA. The EA would look at different ways to develop the facility, the potential for environmental effects and how effects could be mitigated.

Both steps will provide opportunities for consultation with neighbours, local residents and other stakeholders.

The public's input is very important and you will likely have questions and want to know that the environment and the enjoyment of the property will be protected. The public consultation process will begin with an Open House on May 3rd at St. Mary's Hall, 94 George Street in Blenheim from 5:00 to 8:00 pm.

We look forward to keeping in touch throughout this process. If you have any questions or comments, please call us at (519) 676-5000 or visit our website – www.ridgelandfill.com.

Page 2
Mr. Ken Stuebing
April 20, 2016

Yours sincerely,

A handwritten signature in black ink, appearing to read "Cathy Smith". The signature is fluid and cursive, with the first name being more prominent.

Cathy Smith
Project Manager

A handwritten signature in black ink, appearing to read "Tim Kozlof". The signature is cursive and somewhat stylized, with the last name being more prominent.

Tim Kozlof
District Manager



Sorry we missed you

We would like to share some
information with you about
our proposed expansion of
the Ridge landfill.

If you have any questions, feel free
to give us a call at 519-676-5000,
or visit our website:
www.ridgelandfill.com



Progressive
Waste Solutions



Our Future Plans

Progressive Waste Solutions is proposing to continue the operation of its landfill and expand the Ridge Landfill. The landfill would continue to be designed, developed and operated following stringent Ontario Ministry of Environment and Climate Change landfill regulations.

Other future plans for the landfill include:

- The development of a biogas facility to convert landfill gas into a pipeline quality natural gas which would be the largest biogas facility in Ontario and one of the largest in North America.
- The expansion of a public drop-off depot to allow residents to divert household hazardous and electronic wastes and other recyclables including scrap wood, scrap metal, drywall, concrete,

May 3 Open House Presentation

Welcome to the Ridge Landfill Open House

THE PROPOSED BIOMETHANATION FACILITY WILL CAPTURE AND PURIFY THE METHANE GAS FROM THE LANDFILL'S WASTE STREAMS. THE FACILITY WILL BE THE LARGEST BIOMETHANATION FACILITY IN ONTARIO AND ONE OF THE LARGEST IN NORTH AMERICA.

Progressive Waste Solutions

Newsletter

THE Ridge



Letter to the Editor: Model 'C' is a taxpayer financial nightmare

The municipality of Chatham-Kent is attempting to create an "in-house" land ambulance service using the Chatham-Kent Fire Department and its current fire fighter personnel. There is no unequivocal evidence given our council or the public that a proposal "C" "blended service" would use a required number of Provincially certified paramedics, as provided by our current private contracted ambulance services and that which would meet patient safety and service legislation and the criteria to receive the 50% provincial funding. Chatham-Kent municipality receives approximately \$5.0 million annually thru provincial grants to provide ambulance services, that amount, as provincially required, is then paid directly to the contracted service provider, in this case [Medavie]. The 60 + Medavie employees are all provincially certified, as is mandatory to meet the criteria to receive the described annual funding. Our fire fighters are not. Chatham-Kent fire department has only 6 provincially certified medical staff and those 6 do not have such intense day to day paramedic experience and training and may not have been re-certified as required. The municipality of Chatham-Kent publishes, promotes and implies to the Chatham-Kent council and residents their fire department qualifies to receive full funding and hundreds of thousands of tax dollars more from the Health Minister should the CK fire department assume the EMS responsibility, by turning our fire fighters into "Fire-Medics"- I submit provincial funding is NOT available, pursuant to the province's own stated rules, policies and enacted legislation. Any blending proposal

should be in opposite, that is, Our EMS services should be entertaining to blend Fire with EMS, since ems calls make up the majority of the industry responding's. I further submit, the criteria of the Minister of Health and Long Term Care funding requirements for land ambulance services is based on and strictly relies upon a full complement of provincially certified personnel, which comprises the current Medavie privately contracted paramedic services. I have found no evidence from the province guaranteeing such provincial funding for municipal fire departments. The job description and responsibility of a fire fighter and a paramedic are provincially stated and are clear, each has their own list of responsibilities. Using Toronto as a guide, out of 411 daily calls only about 1% are fire calls. The fire industry has experienced an almost 180 degree, having 90% of the emergency calls paramedic related. Chatham-Kent and its council passed resolution for a succession plan, which appears to lay dormant, same should be activated to implement municipal employee downsizing thru attrition. A type of model "C" plan could work but only if proactively planned over the next 5 or so years by not replacing fire fighters when they retire, reducing fire fighter numbers, and subsequent enormous taxpayer cost, to be more in line with the industry changes to the number of much fewer fire related occurrences. However, a more defined blended and triaged fire-paramedic service to best designate who responds to various emergency & fire calls, while maintaining a separate ems service is, by far the best option, easiest to manage and least

expensive and most effective, allowing millions to be saved, the savings of which would allow Chatham-Kent to apply for reduction on taxes, paving a way for a rebuild of our economy. Our current private EMS contractor is not a direct taxpayer funded burden, a blended service under proposal "C" would be a huge taxpayer expense, not only to implement but to sustain each year. One municipal

employee with a \$90,000 base salary, carries a 28.7% added taxpayer cost, in addition to the base salary, for pension, medical, training, holiday, sick days, liability, insurances etc. Our current Medavie ambulance provider assumes these and many other costs under their own private company, NOT taxpayers. An EMS blended service also carries an increase in insurance premiums at taxpayer's expense.

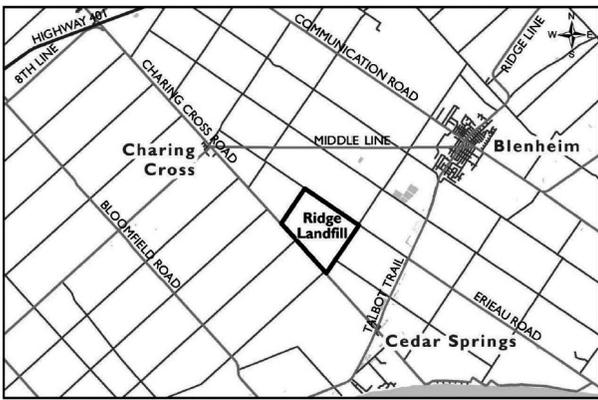
Why would CK want to make any changes to our EMS services from the current model "A".
John K. Cryderman

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Notice published June 15, 2016.



Drug charges laid in traffic stop

Chatham-Kent Ontario Provincial Police charged two men during a traffic stop on the 401 on Saturday. The OPP conducted a traffic stop on a black Ford Escape near Victoria Road around 5 p.m. Police found and seized over \$13,000 of methamphetamine found in the vehicle. The driver, a 47-year-old Middlesex man, was

charged with possession of a controlled substance for the purpose of trafficking, possession of property obtained by crime – under \$5,000 and two counts of driving while disqualified. The passenger, a 34-year-old London man, is also facing drug-related possession charges. Both men were held for bail hearings.

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NATIONAL NEWS

Fire cost oilsands at least \$1.4B

DAN HEALING
THE CANADIAN PRESS

CALGARY — Analysts say lost oilsands production from the Fort McMurray wildfires could top 30 million barrels and cost the industry upwards of \$1.4 billion.

Some of the largest oilsands producers in the province were forced to shut down or curtail operations last month as 80,000 residents of Fort McMurray evacuated the city to escape the fierce blaze, which has yet to be extinguished.

Damage to oilsands projects was minimal but Calgary-based analysts say restarting operations is taking longer than expected.

Analyst Martin King of FirstEnergy Capital estimates the industry's production loss at \$1.4 billion, while Nick Lupick, an analyst for AltaCorp Capital, puts the

value of the losses so far at almost \$1.6 billion. Both said Wednesday that they expect their numbers to grow.

"It sounds like there have been some pipeline clogging issues on some of these projects," said King. "I guess when the bitumen cooled it hardened and so they're having trouble getting stuff down these pipes right now."

King said his wildfire cost estimate is based on a production loss of about 37 million barrels, about half in the form of raw bitumen, which must be mixed with light oil to facilitate flow in a pipeline. The other half is much more valuable synthetic crude.

Lupick said he based his calculation on lost production of about 28 million barrels but with a higher proportion in the form of synthetic crude, which commands prices similar to West Texas

Intermediate oil, thus delivering the higher dollar figure.

"Based on an outage of three weeks during the fires on average for all of the affected projects, the total lost revenue works out to be roughly \$1.6 billion," he said. "Made up of roughly \$1.05 billion of SCO and \$550 million of bitumen revenue."

He said he expects the final production loss to grow beyond 30 million barrels because of delays in restarting projects and the fact that Syncrude Canada must complete a maintenance turnaround at its upgrader before returning to normal operations.

Lupick estimated Suncor Energy has lost about 21 million barrels of output from its own oilsands operations as well as from Syncrude, in which it has a majority stake.

Those barrels would have been

worth about \$700 million, he said, adding an outage at Suncor's Edmonton refinery that caused gasoline shortages in Western Canada would take the loss to about \$800 million.

Lupick said other costs of restarting production could easily inflate Suncor's total losses to nearly \$1 billion.

In a recent report to investors, analyst Paul Cheng of Barclays said about half of the one million barrels per day of production interrupted by the fire has been restored.

"By the end of June, we estimate the majority of production would be back online, with about 300,000 bpd still ramping up or undergoing planned turnarounds, and operations basically back to normal by mid to end of July, assuming no new shut-ins from ongoing fires," he wrote.



JASON FRANSON/CP FILES

Burned trees are shown in Sapræ Creek near Fort McMurray, Alta., earlier this month. Analysts say lost oilsands production from the Fort McMurray wildfires could top 30 million barrels and cost the industry upwards of \$1.4 billion.

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Progressive Waste Solutions

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NEWS

Spotlight showing draws nearly 600

By Jim Blake
jim@chathamvoice.com

Nearly 600 people turned out to the Capitol Theatre Monday night to see the movie Spotlight, the latest film brought to the community through the efforts of the Chatham-Kent Film Group.

Spokesman Cindy Storey said it was important that the film, which highlights a Boston Globe investigation into sexual abuse within the Catholic church was shown in Chatham.

"We had a very well publicized problem in Chatham a number of years ago and the story resonates here," she said. "It's part of our mandate to bring important films to Chatham, films which might not otherwise make it here."

The film tells the story of how a team of Boston Globe reporters discovered one a decades-long cover up of sex abuse by priests in Massachusetts.

The movie won Best Picture and Best Writing - Original Screen Play at the 88th Academy Awards earlier this year.

In a Chatham court in 2006, Father Charles Sylvestre pleaded guilty to indecent assault against 47 young girls and was sentenced to three years in prison. He died after only three months of his sentence.

Authorities called it North America's largest case of non-residential school sex abuse by a Roman Catholic priest.

The case was significant enough to have Chatham listed among affected communities in the movie's closing credits.

Storey said the film group has been in existence for about 20 years. Another part of its mission is to encourage young filmmakers through bursaries.

"Thanks to the work of our members, we've been able to start a bursary program," she said.



Chatham Voice image

The Chatham-Kent Film Group presented \$1,000 bursaries to three local students who will be enrolling in post-secondary film studies courses this year. From left, film group member Irena Carey, winners Julianna Corso, Anthony DeWael and Riley Rhodes and Cindy Storey of the film group.

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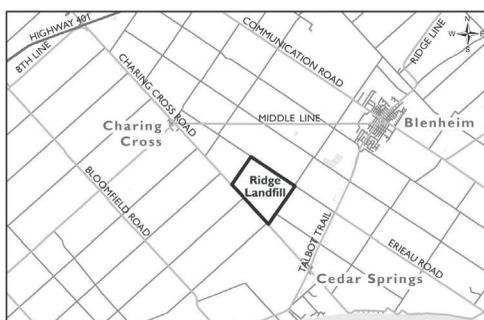
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SPORTS



Jim Blake/The Chatham Voice

Memorial Arena in Wallaceburg could see as much as \$2 million in upgrades through a joint-federal municipal project designed to celebrate the 150th anniversary of Confederation.

\$2 million upgrade for 'Burg arena?

By Jim Blake
jim@chathamvoice.com

Wallaceburg area residents should know fairly quickly if the federal share of a planned \$2 million upgrade of Memorial Arena will be approved.

Chatham-Kent council approved the application for \$1 million in funding as part of the current phase of the Canada 150 Community Infrastructure grant.

Evelyn Bish, acting manager of community development, said the municipality hasn't been given an exact date for the decision but said she expects it to be fairly soon given the time frame involved in getting projects done by early 2018.

The work includes expansion of the lobby including construction of accessible male/female washrooms as well as a family change room, elevator installation, reconfiguring dressing rooms on the west side of the area and expansion of the canteen.

An ice-level viewing area for spectators with limited mobility will be built as well.

In her report, Bish noted that some of the upgrades have been identified "as far back as 1999."

Other projects considered included Chatham Memorial Arena upgrades, the Round the River trail expansion, and improvements in Chatham's downtown core.

The report noted that the arena has been recommended to be part of the municipality's parks and recreation master plan; it is heavily used by hockey in the winter and lacrosse in the summer.

The Wallaceburg Jr. C hockey team was recently purchased, adding to the long-term viability of the facility.

The Canada 150 program celebrating Canada's sesquicentennial is being administered by the Federal Economic Development Agency.

Chatham-Kent Leamington MP Dave Van Kesteren said southern Ontario is in line to get more than \$4 million in extra funding through the program

"Many organizations in Chatham-Kent Leamington applied during the first intake last year," said he said. "This is a second opportunity for organizations that were unsuccessful the first time, or were not prepared to apply, to put in a request for federal funding."

Nationwide, \$300 million dollars is being allocated, the first \$150 of which was reserved earlier.

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We would like to take this opportunity to invite you to a second Open House for this project.

The Draft Terms of Reference

As part of the EAA process, a draft Terms of Reference (ToR) has been prepared. This document sets the framework for addressing the EAA requirements, including the alternatives that will be considered, criteria proposed for the evaluation of alternatives, the technical work that will be undertaken, and the public consultation activities that will be carried out.

The draft ToR will be available for a 30 day public review beginning on June 28, 2016 and ending on July 28, 2016. You may review the draft ToR at the following locations:

Ministry of the Environment and Climate Change, Environmental Assessment and Approvals Branch 135 St. Clair Avenue West, 1st Floor Toronto, ON, M4V 1P5 Tel: 1-800-461-6290/ 416-314-8001 Monday to Friday: 8:30am – 5:00pm	Ministry of the Environment and Climate Change Windsor Area Office 4510 Rhodes Dr., Unit 620 Windsor, ON, N8W 5K5 Tel: 519-948-1464 Monday to Friday: 8:30am – 4:30pm
Chatham Branch, Chatham-Kent Public Library 120 Queen Street, Chatham, ON, N7M 2G6 Tel: 519-354-2940 Monday to Thursday: 9:30am - 8:30pm; Friday: 9:30am – 6:00pm; Saturday: 9:30am – 5:00pm	Blenheim Branch, Chatham-Kent Public Library 16 George Street Blenheim, ON, N0P 1A0 Tel: 519.676.3174 Tuesday and Thursday: 12:00pm-8:00pm, Wednesday and Friday: 10:00am – 3:00pm; Saturday: 12:00pm- 4:00pm
Municipality of Chatham-Kent Civic Centre 315 King St W. Chatham, ON, N7M 1E9 Tel: 519-360-1998 Monday to Friday: 8:30am – 5:00pm	Online at the Ridge Landfill Website: www.ridgelandfill.com

Written comments regarding the draft ToR must be received by July 28, 2016. All comments should be submitted to:

Cathy Smith, Project Manager
Progressive Waste Solutions Canada Inc. OR Through the **Ridge website**
 T: 519-676-5000 at www.ridgelandfill.com
 Email: cathy.smith@progressivewaste.com

All comments received by July 28, 2016 will be incorporated in the final ToR. For any information regarding the project, please feel free to visit our website at www.ridgelandfill.com

Under the Freedom of Information and Protection of Privacy Act and the Environmental Assessment Act, unless otherwise stated in the submission, any personal information such as name, address, telephone number and property location included in a submission will become part of the public record files for this matter and will be released, if requested, to any person.

Notice published June 15, 2016.



You are Invited to a Public Open House!

Time & Date: June 28, 2016 from 5:00pm - 8:00pm
Location: St. Mary's Hall, 94 George St., Blenheim, ON

The second Public Open House for the proposed Ridge Landfill expansion will provide more information on the technical work that is proposed for the EA. Come find out more about the studies that will be done, the alternatives that will be considered and how you can continue to stay involved throughout the EA.

St. Clair River racing

The Chatham Voice

The International Powerboat Festival is returning to Sarnia this summer, with free races and other activities beside the St. Clair River and two ticketed concerts featuring Monster Truck and I Mother Earth. Sarnia's largest summer festival, scheduled for Aug. 12- 14, attracted more than 30,000 people last year.

It has also contributed more than \$100,000 to charities the past five years, said event co-chairman David McPhail.

The festival, which is held jointly with Port Huron, features free street performers, a kids' zone, wakeboard competitions, merchandise and food vendors, and a licenced beverage tent.

Events begin at 4 p.m. Friday, and 11 a.m. Saturday and Sunday. Tickets and festival details are available at www.sarniapowerboatfestival.com.

Powerboat time trials start Saturday morning, Aug. 13, and the actual races take place on Sunday.

Aly J's Day Spa

NAIL ENHANCEMENTS

MANICURES

PEDICURES

WAXING

Shawntelle Monique

Certified Esthetician

519-359-6031

56 Raleigh St., Chatham
 (inside A Wee Trim)



SPRING GIFT BASKET GIVEAWAY
 Valued at \$120

Ballot with every mani/pedi, or gift certificate. Draw June 30/16

June 15, 2016

Dear *Resident*

We wanted to update you on our progress towards completing the Terms of Reference for the proposed expansion of the Ridge Landfill.

Today we're advertising a second Open House which is scheduled for June 28th at St. Mary's Hall, 94 George Street in Blenheim from 5:00 to 8:00 pm. The focus of the second Open House is to provide and obtain input on the technical work that is proposed for the Environmental Assessment, specifically the studies that will be conducted, and the proposed evaluation criteria to assess alternative methods of development. Attached is a copy of the notice for the Open House.

This follows our first Open House that took place on May 3rd. Nearly 60 people attended and met with the project team to discuss how the landfill is designed, constructed and operated, the landfill's current environmental management systems, community partnerships with local organizations, and the regulatory process for the proposed expansion. A copy of the information panels at the Open House can be seen at <http://www.ridgelandfill.com/our-future-plans>

In addition to the Open House, June 28th marks the date at which we will be releasing our draft Terms of Reference for public and government agency review. This review will be for 30 days ending July 28, 2016. All comments received by July 28 will be considered for the final Terms of Reference which will be submitted to the Ministry of Environment and Climate Change. The draft Terms of Reference will be available in hard copy for public review at locations throughout the Municipality of Chatham-Kent. An electronic version of the document will also be available for download from our website. We will continue to keep you informed throughout this process. If you have any questions or comments, please call us at (519) 676-5000 or visit our website - www.ridgelandfill.com.

Sincerely,



Cathy Smith
Project Manager
Ridge Landfill Expansion



Tim Kozlof
District Manager
Ridge Landfill





Ridge Landfill
20262 Erieau Road
Blenheim, ON, N0P 1A0
T: 519. 676.5000
F: 519.745.4934

July 15, 2016

Ms. Dawn Betancourt
President, Thompsons
2 Hyland Drive
Blenheim, ON
N0P 1A0

Dear Ms. Betancourt,

As a leader in the Blenheim business community, I would like to meet with you to update you on our progress towards an expansion of the Ridge Landfill.

On April 20 of this year, Progressive Waste Solutions announced its plan to seek a continuation of the operation of its landfill beyond 2022 for another 20 years at the current permitted annual waste volume level. The proposed expansion would continue to provide residents and businesses within the Municipality of Chatham Kent with a secure, cost effective disposal option along with the possibility of waste diversion programs.

The proposed expansion will require the completion of an Individual Environmental Assessment (EA) under the Ontario EA Act in a mandatory a two-step process. The first step involves the preparation of an EA Terms of Reference (ToR) which identifies the need/opportunity for disposal capacity and outlines the road map for the EA. We have prepared a draft ToR which was released on June 28, 2016 for public and government agency review by July 28, 2016, which can be found at www.ridgelandfill.com. The final ToR will be submitted to the Ministry of Environment and Climate Change in a couple of months for its approval.

Following the approval of the ToR, the second step is undertaking the EA which will look at different ways to develop the facility, the potential for environmental effects and how those effects could be mitigated. To date, PWS has hosted two open houses in the community of Blenheim to meet with local residents to discuss their issues of concern as well as opportunities to enhance the economic well-being of the local neighbouring communities.

The Ridge Landfill employs 23 persons and contributes approximately \$13 million directly and indirectly to the local community on an annual basis. Of that, the Ridge Landfill generates direct and indirect benefits of approximately \$9 million annually in salaries, construction and road maintenance, local goods and services purchased, taxes, etc.

The Ridge Landfill directly contributes over \$4 million annually to the local community through an annual royalty payment to the Municipality of Chatham-Kent which in 2015, amounted to \$2.3 million; and since 2005 we have contributed approximately \$15.9 million to the Municipality. The Ridge Landfill also provides significant financial contributions to the Ridge Landfill Trust that in 2015 was approximately \$1.1 million.



Ridge Landfill
20262 Erieau Road
Blenheim, ON, N0P 1A0
T: 519. 676.5000
F: 519.745.4934

These monies are allocated by a group of community leaders to projects that benefit the local community such as the Talbot Trail Park with the splash pad for children, a new senior's centre and a youth drop in centre in downtown Blenheim. These financial contributions would continue with the proposed expansion as well as the company's commitment to the local communities.

I would welcome an opportunity to meet with you to discuss this project and answer any questions you may have about the current operation and the EA process for the proposed expansion. To that end, I will follow up with you on a potential meeting date.

In the interim, we have established a dedicated website that you may visit to get further information on the Ridge Landfill and our future plans – www.ridgelandfill.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Cathy Smith", with a small dot above the first letter.

Cathy Smith
Project Manager, Ridge Landfill Expansion



Ridge Landfill
20262 Erieau Road
Blenheim, ON, N0P 1A0
T: 519. 676.5000
F: 519.745.4934

July 15, 2016

Mr. John Ceccacci
Vice Chair
Blenheim Business Improvement Association
Blenheim, ON

Dear Mr. Ceccacci,

As a leader in the Blenheim business community, I would like to update you and BIA Chair Marc Eskritt on our progress towards an expansion of the Ridge Landfill.

On April 20 of this year, Progressive Waste Solutions announced its plan to seek a continuation of the operation of its landfill beyond 2022 for another 20 years at the current permitted annual waste volume level. The proposed expansion would continue to provide residents and businesses within the Municipality of Chatham Kent with a secure, cost effective disposal option along with the possibility of waste diversion programs.

The proposed expansion will require the completion of an Individual Environmental Assessment (EA) under the Ontario EA Act in a mandatory a two-step process. The first step involves the preparation of an EA Terms of Reference (ToR) which identifies the need/opportunity for disposal capacity and outlines the road map for the EA. We have prepared a draft ToR which was released on June 28, 2016 for public and government agency review by July 28, 2016, which can be found at www.ridgelandfill.com. The final ToR will be submitted to the Ministry of Environment and Climate Change in a couple of months for its approval.

Following the approval of the ToR, the second step is undertaking the EA which will look at different ways to develop the facility, the potential for environmental effects and how those effects could be mitigated. To date, PWS has hosted two open houses in the community of Blenheim to meet with local residents to discuss their issues of concern as well as opportunities to enhance the economic well-being of the local neighbouring communities.

The Ridge Landfill employs 23 persons and contributes approximately \$13 million directly and indirectly to the local community on an annual basis. Of that, the Ridge Landfill generates direct and indirect benefits of approximately \$9 million annually in salaries, construction and road maintenance, local goods and services purchased, taxes, etc.

The Ridge Landfill directly contributes over \$4 million annually to the local community through an annual royalty payment to the Municipality of Chatham-Kent which in 2015, amounted to \$2.3 million; and since 2005 we have contributed approximately \$15.9 million to the Municipality. The Ridge Landfill also provides significant financial contributions to the Ridge Landfill Trust that in 2015 was approximately \$1.1 million.



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I would welcome an opportunity to meet with you and Marc, as well as any other members of the BIA executive to discuss this project and answer any questions you may have about the current operation and the EA process for the proposed expansion. To that end, I will follow up with you on a potential meeting date.

In the interim, we have established a dedicated website that you may visit to get further information on the Ridge Landfill and our future plans – www.ridgelandfill.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Cathy Smith", with a small dot above the first letter.

Cathy Smith
Project Manager, Ridge Landfill Expansion



Ridge Landfill
20262 Erieau Road
Blenheim, ON, N0P 1A0
T: 519. 676.5000
F: 519.745.4934

July 15, 2016

Mr. Ron Faubert
President, Kent Federation of Agriculture
120 Main Street East
Chatham, ON
N0P 2C0

Dear Mr. Faubert,

As a leader in the agriculture community within Chatham-Kent, I want to update you on our progress towards an expansion of the Ridge Landfill.

On April 20 of this year, Progressive Waste Solutions announced its plan to seek a continuation of the operation of its landfill beyond 2022 for another 20 years at the current permitted annual waste volume level. The proposed expansion would continue to provide residents and businesses within the Municipality of Chatham Kent with a secure, cost effective disposal option along with the possibility of waste diversion programs.

The proposed expansion will require the completion of an Individual Environmental Assessment (EA) under the Ontario EA Act in a mandatory a two-step process. The first step involves the preparation of an EA Terms of Reference (ToR) which identifies the need/opportunity for disposal capacity and outlines the road map for the EA. We have prepared a draft ToR which was released on June 28, 2016 for public and government agency review by July 28, 2016, which can be found at www.ridgelandfill.com. The final ToR will be submitted to the Ministry of Environment and Climate Change in a couple of months for its approval.

Following the approval of the ToR, the second step is undertaking the EA which will look at different ways to develop the facility, the potential for environmental effects and how those effects could be mitigated. To date, PWS has hosted two open houses in the community of Blenheim to meet with local residents to discuss their issues of concern as well as opportunities to enhance the economic well-being of the local neighbouring communities.

The Ridge Landfill employs 23 persons and contributes approximately \$13 million directly and indirectly to the local community on an annual basis. Of that, the Ridge Landfill generates direct and indirect benefits of approximately \$9 million annually in salaries, construction and road maintenance, local goods and services purchased, taxes, etc.

The Ridge Landfill directly contributes over \$4 million annually to the local community through an annual royalty payment to the Municipality of Chatham-Kent which in 2015, amounted to \$2.3 million; and since 2005 we have contributed approximately \$15.9 million to the Municipality. The Ridge Landfill also provides significant financial contributions to the Ridge Landfill Trust that in 2015 was approximately \$1.1 million.



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I would welcome an opportunity to meet with you, as well as any Board members from the Blenheim area to discuss this project and answer any questions you may have about the current operation and the EA process for the proposed expansion. To that end, I will follow up with you on a potential meeting date.

In the interim, we have established a dedicated website that you may visit to get further information on the Ridge Landfill and our future plans – www.ridgelandfill.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Cathy Smith", with a small dot above the first letter.

Cathy Smith
Project Manager, Ridge Landfill Expansion



Ridge Landfill
20262 Erieau Road
Blenheim, ON, N0P 1A0
T: 519. 676.5000
F: 519.745.4934

July 15, 2016

Ms. Gail Bishop
President & CEO
Chatham Kent Chamber of Commerce
54 Fourth Street
Chatham, ON
N7M 2G2

Dear Ms. Bishop,

As a leader in the Chatham-Kent business community, I want to update you on our progress towards an expansion of the Ridge Landfill.

On April 20 of this year, Progressive Waste Solutions announced its plan to seek a continuation of the operation of its landfill beyond 2022 for another 20 years at the current permitted annual waste volume level. The proposed expansion would continue to provide residents and businesses within the Municipality of Chatham Kent with a secure, cost effective disposal option along with the possibility of waste diversion programs.

The proposed expansion will require the completion of an Individual Environmental Assessment (EA) under the Ontario EA Act in a mandatory a two-step process. The first step involves the preparation of an EA Terms of Reference (ToR) which identifies the need/opportunity for disposal capacity and outlines the road map for the EA. We have prepared a draft ToR which was released on June 28, 2016 for public and government agency review by July 28, 2016, which can be found at www.ridgelandfill.com. The final ToR will be submitted to the Ministry of Environment and Climate Change in a couple of months for its approval.

Following the approval of the ToR, the second step is undertaking the EA which will look at different ways to develop the facility, the potential for environmental effects and how those effects could be mitigated. To date, PWS has hosted two open houses in the community of Blenheim to meet with local residents to discuss their issues of concern as well as opportunities to enhance the economic well-being of the local neighbouring communities.

Progressive Waste Solutions (PWS) employs 60 persons in the Municipality of Chatham-Kent, of which 23 persons are employed at the Ridge Landfill. The Ridge Landfill contributes approximately \$13 million directly and indirectly to the local community on an annual basis. Of that, the Ridge Landfill generates direct and indirect benefits of approximately \$9 million annually in salaries, construction and road maintenance, local goods and services purchased, taxes, etc.

The Ridge Landfill directly contributes over \$4 million annually to the local community through an annual royalty payment to the Municipality of Chatham-Kent which in 2015, amounted to \$2.3 million; and since 2005 we have contributed approximately \$15.9 million to the Municipality.



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The Ridge Landfill also provides significant financial contributions to the Ridge Landfill Trust that in 2015 was approximately \$1.1 million.

These monies are allocated by a group of community leaders to projects that benefit the local community such as the Talbot Trail Park with the splash pad for children, a new senior's centre and a youth drop in centre in downtown Blenheim. These financial contributions would continue with the proposed expansion as well as the company's commitment to the local communities.

I would welcome an opportunity to meet with you to discuss this project and answer any questions you may have about the current operation and the EA process for the proposed expansion. To that end, I will follow up with you on a potential meeting date.

In the interim, we have established a dedicated website that you may visit to get further information on the Ridge Landfill and our future plans – www.ridgelandfill.com.

Sincerely,

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Cathy Smith
Project Manager, Ridge Landfill Expansion



Ridge Landfill
20262 Erieau Road
Blenheim, ON, N0P 1A0
T: 519. 676.5000
F: 519.745.4934

July 15, 2016

Ms. Nancy Penney
President, Blenheim Rotary Club
Box 826
Blenheim, ON
N0P 1A0

Dear Ms. Penney,

As a leading community based service organization in Blenheim, I want to update you on our progress towards an expansion of the Ridge Landfill.

On April 20 of this year, Progressive Waste Solutions announced its plan to seek a continuation of the operation of its landfill beyond 2022 for another 20 years at the current permitted annual waste volume level. The proposed expansion would continue to provide residents and businesses within the Municipality of Chatham Kent with a secure, cost effective disposal option along with the possibility of waste diversion programs.

The proposed expansion will require the completion of an Individual Environmental Assessment (EA) under the Ontario EA Act in a mandatory a two-step process. The first step involves the preparation of an EA Terms of Reference (ToR) which identifies the need/opportunity for disposal capacity and outlines the road map for the EA. We have prepared a draft ToR which was released on June 28, 2016 for public and government agency review by July 28, 2016, which can be found at www.ridgelandfill.com. The final ToR will be submitted to the Ministry of Environment and Climate Change in a couple of months for its approval.

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I would welcome an opportunity to meet with you to discuss this project and answer any questions you may have about the current operation and the EA process for the proposed expansion. To that end, I will follow up with you on a potential meeting date.

In the interim, we have established a dedicated website that you may visit to get further information on the Ridge Landfill and our future plans – www.ridgelandfill.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Cathy Smith", with a small dot above the first letter.

Cathy Smith
Project Manager, Ridge Landfill Expansion



Ridge Landfill
20262 Erieau Road
Blenheim, ON, N0P 1A0
T: 519. 676.5000
F: 519.745.4934

July 15, 2016

Mr. Marc Eskritt
Chair
Blenheim Business Improvement Association
Blenheim, ON

Dear Mr. Eskritt,

As a leader in the Blenheim business community, I would like to update you and BIA Vice Chair John Ceccacci on our progress towards an expansion of the Ridge Landfill.

On April 20 of this year, Progressive Waste Solutions announced its plan to seek a continuation of the operation of its landfill beyond 2022 for another 20 years at the current permitted annual waste volume level. The proposed expansion would continue to provide residents and businesses within the Municipality of Chatham Kent with a secure, cost effective disposal option along with the possibility of waste diversion programs.

The proposed expansion will require the completion of an Individual Environmental Assessment (EA) under the Ontario EA Act in a mandatory a two-step process. The first step involves the preparation of an EA Terms of Reference (ToR) which identifies the need/opportunity for disposal capacity and outlines the road map for the EA. We have prepared a draft ToR which was released on June 28, 2016 for public and government agency review by July 28, 2016, which can be found at www.ridgelandfill.com. The final ToR will be submitted to the Ministry of Environment and Climate Change in a couple of months for its approval.

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I would welcome an opportunity to meet with you and John, as well as any other members of the BIA executive to discuss this project and answer any questions you may have about the current operation and the EA process for the proposed expansion. To that end, I will follow up with you on a potential meeting date.

In the interim, we have established a dedicated website that you may visit to get further information on the Ridge Landfill and our future plans – www.ridgelandfill.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Cathy Smith", with a small dot above the first letter.

Cathy Smith
Project Manager, Ridge Landfill Expansion



Ridge Landfill
20262 Erieau Road
Blenheim, ON, N0P 1A0
T: 519. 676.5000
F: 519.745.4934

October 18, 2016

Drilling Notice

Dear *Resident*,

I want to advise you that Progressive Waste Solutions plans to begin a hydrogeological drilling program at the Ridge Landfill commencing the week of October 17.

The drilling is part of pre-Environmental Assessment field work to confirm existing environmental conditions. Drilling will occur on buffer lands adjacent to the landfill operation and will involve six wells: one on Erieau Road; three along Allison Line; and, two along Charing Cross Road. The drilling program will also include the installation of an additional six leachate quality testing wells on-site. The program should be completed before the end of the year.

If you have any questions, please do not hesitate to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Cathy Smith", with a small dot above the first letter.

Cathy Smith
Project Manager, Ridge Landfill Expansion
519.358.2860
Cathy.smith@progressivewaste.com



Operations

Community

Our Future Plans

News & Events

Contact Us



Our Future Plans

Progressive Waste Solutions is proposing to expand the life of the Ridge Landfill for an additional 20 years following stringent Ontario Ministry of Environment and Climate Change landfill regulations.

The annual permitted disposal capacity will not increase. Progressive Waste Solutions will continue to accept industrial and commercial waste from across the province and will seek to expand its service area for residential waste across Ontario.

The expansion would also include a public drop-off depot to allow residents to divert materials which are not being collected in the current residential recycling program as well as the construction of a new community activity centre.

As a separate undertaking, Progressive Waste Solutions will develop a biogas facility to convert landfill gas into pipeline quality natural gas which would be the largest biogas facility in Ontario and one of the largest in North America. We already operate a similar biogas facility at our Lachenaie Landfill in Quebec.

Documents

Draft Terms of Reference



Terms of Reference

Record of Consultation

Needs Opportunity Assessment

Consideration of Alternatives to the Undertaking

June 28 Open House Presentation



Welcome to the Second Ridge Landfill Expansion Open House



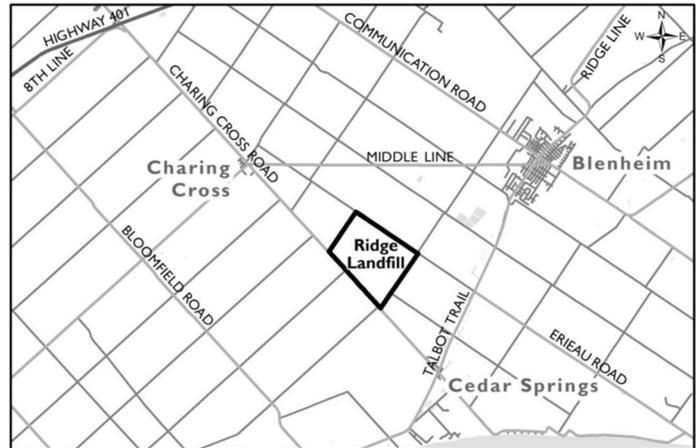
Notice of Submission of Terms of Reference

Proposed Ridge Landfill Expansion Environmental Assessment, Progressive Waste Solutions Canada Inc.

As part of the planning process for the proposed Ridge Landfill expansion, Progressive Waste Solutions Canada Inc. (PWS) submitted a Terms of Reference (ToR) to the Ministry of Environment and Climate Change for review as required under the *Environmental Assessment Act*. If approved, the ToR will serve as a framework for the preparation and review of the environmental assessment (EA) for the proposed undertaking.

The proposed expansion of the existing Ridge Landfill is to provide long term residual waste disposal capacity. The ToR outlines the studies proposed to be undertaken during the EA. Public consultation that has been completed to date and consultation activities planned for the EA are also documented in the ToR.

The ToR will be available for public review beginning on November 18, 2016 and ending on December 18, 2016. You may review the ToR at the following locations:



Ministry of the Environment and Climate Change, Environmental Approvals Access & Service Integration Branch 135 St. Clair Avenue West, 1st Floor Toronto, ON, M4V 1P5 Tel: 1-800-461-6290/ 416-314-8001 Monday to Friday: 8:30am – 5:00pm	Ministry of the Environment and Climate Change Windsor Area Office 4510 Rhodes Dr., Unit 620 Windsor, ON, N8W 5K5 Tel: 519-948-1464 Monday to Friday: 8:30am – 4:30pm
Chatham Branch, Chatham-Kent Public Library 120 Queen Street, Chatham, ON, N7M 2G6 Tel: 519-354-2940 Monday to Thursday: 9:30am - 8:30pm; Friday: 9:30am – 6:00pm; Saturday: 9:30am – 5:00pm	Blenheim Branch, Chatham-Kent Public Library 16 George Street Blenheim, ON, N0P 1A0 Tel: 519.676.3174 Tuesday and Thursday: 12:00pm-8:00pm, Wednesday and Friday: 10:00am – 3:00pm; Saturday: 12:00pm- 4:00pm
Municipality of Chatham-Kent Civic Centre 315 King St W. Chatham, ON, N7M 1E9 Tel: 519-360-1998 Monday to Friday: 8:30am – 5:00pm	Online at the Ridge Landfill Website: www.ridgelandfill.com

Your written comments regarding the ToR must be received before December 18, 2016. All comments should be submitted to: <p style="text-align: center;">Cindy Batista, Special Project Officer Ministry of Environment and Climate Change Environmental Approvals Branch 135 St. Clair Avenue West, 1st Floor Toronto, ON, M4V 1P5 Tel: 416-314-7225/1-800-461-6290 Fax: 416-314-8452 Email: Cindy.Batista@ontario.ca</p>	A copy of all comments will be forwarded to PWS for consideration. For further information regarding the project, please contact: <p style="text-align: center;">Cathy Smith, Project Manager Progressive Waste Solutions Canada Inc. 20262 Eriau Road, Blenheim, ON, N0P 1A0 T: 519-676-5000 Email: Cathy.Smith@progressivewaste.com</p> or visit our website at www.ridgelandfill.com
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All personal information included in a submission – such as name, address, telephone number and property location – is collected, maintained and disclosed by the MOECC for the purpose of transparency and consultation. The information is collected under the authority of the *Environmental Assessment Act* or is collected and maintained for the purpose of creating a record that is available to the general public as described in 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 Project Officer or the MOECC's Freedom of Information and Privacy Coordinator at 416-327-1434.
 Notice published: November 16, 2016.



February 6, 2017

Letter to Indigenous Communities

I want to personally advise you that Progressive Waste Solutions (PWS) has submitted its final Terms of Reference (ToR) to the Ministry of Environment and Climate Change for their approval to proceed with an Environmental Assessment (EA) of our proposed expansion of the Ridge Landfill.

The ToR will be available for review beginning on November 18, 2016 and ending on December 18, 2016. Two copies of the final ToR are enclosed for your review along with a memo and acknowledgement of receipt form from the Ministry of Environment and Climate Change. The ToR can also be viewed on our website, www.ridgelandfill.com, or at any of the locations detailed on the included Notice of Submission.

Subject to approval of the ToR, PWS will be undertaking an EA which will look at different ways to develop the expanded facility, the potential for environmental effects and how those effects could be mitigated. During the ToR review period we would be pleased to meet with you to discuss any questions or concerns you may have. We will also continue to keep you advised and provide opportunity for discussion through the EA phase of the process.

If you have any immediate questions or comments, please do not hesitate to reach out to me.

Sincerely,



Cathy Smith
Project Manager, Ridge Landfill Expansion
519.358.2860
Cathy.smith@progressivewaste.com

November 14, 2016

Letter to Landowners;

I want to personally advise you that Progressive Waste Solutions (PWS) has submitted its final Terms of Reference (ToR) to the Ministry of Environment and Climate Change for their approval to proceed with an Environmental Assessment (EA) of our proposed expansion of the Ridge Landfill. The ToR will be available for review beginning on November 18, 2016 and ending on December 18, 2016. The final ToR can be viewed on our website, www.ridgelandfill.com, or at any of the locations detailed on the included Notice of Submission.

Subject to approval of the ToR, PWS will be undertaking an EA which will look at different ways to develop the expanded facility, the potential for environmental effects and how those effects could be mitigated. During the EA, we will continue to consult with our immediate neighbours and other stakeholders to discuss issues of concern as well as opportunities to further enhance the socio economic well-being of the local neighbouring communities.

If you have any immediate questions or comments, I would be pleased to meet and discuss our future plans as well as any issues with the current landfill operation.

Sincerely,



Cathy Smith
Project Manager, Ridge Landfill Expansion
519.358.2860
Cathy.smith@progressivewaste.com

November 14, 2016

Letter to Stakeholders

I want to personally advise you that Progressive Waste Solutions (PWS) has submitted its final Terms of Reference (ToR) to the Ministry of Environment and Climate Change for their approval to proceed with an Environmental Assessment (EA) of our proposed expansion of the Ridge Landfill. The ToR will be available for review beginning on November 18, 2016 and ending on December 18, 2016. The final ToR can be viewed on our website, www.ridgelandfill.com, or at any of the locations detailed on the included Notice of Submission.

Subject to approval of the ToR, PWS will be undertaking an EA which will look at different ways to develop the expanded facility, the potential for environmental effects and how those effects could be mitigated. During the EA, we will continue to consult with our immediate neighbours and other stakeholders to discuss issues of concern as well as opportunities to further enhance the socio economic well-being of the local neighbouring communities.

If you have any immediate questions or comments, I would be pleased to meet and discuss our future plans as well as any issues with the current landfill operation.

Sincerely,



Cathy Smith
Project Manager, Ridge Landfill Expansion
519.358.2860
Cathy.smith@progressivewaste.com



Ridge Landfill
20262 Erieau Road
Blenheim, ON, N0P 1A0
T: 519. 676.5000
F: 519.745.4934

November 14, 2016

Letter to Elected Officials

I want to personally advise you that Progressive Waste Solutions (PWS) has submitted its final Terms of Reference (ToR) to the Ministry of Environment and Climate Change for their approval to proceed with an Environmental Assessment (EA) of our proposed expansion of the Ridge Landfill. The ToR will be available for review beginning on November 18, 2016 and ending on December 18, 2016. The final ToR can be viewed on our website, www.ridgelandfill.com, or at any of the locations detailed on the included Notice of Submission.

We have also advised our immediate neighbours, residents within a one-kilometer radius of our landfill and those along the designated haul route from the interchange of Highways 401 and 40 to the Ridge Landfill. During the ToR review period, we intend to continue meeting with our neighbours to discuss their issues of concern.

Subject to approval of the ToR, PWS will be undertaking an EA which will look at different ways to develop the expanded facility, the potential for environmental effects and how those effects could be mitigated. During the EA, we will continue to consult with elected officials, our immediate neighbours and other stakeholders.

If you have any immediate questions or comments, I would be pleased to meet and discuss our future plans as well as any issues with the current landfill operation.

Sincerely,

A handwritten signature in black ink, appearing to read "Cathy Smith", with a small dot above the first letter.

Cathy Smith
Project Manager, Ridge Landfill Expansion
519.358.2860
Cathy.smith@progressivewaste.com

Appendix B

Newsletter

THE Ridge

Ridge Landfill's Community Newsletter



April 2016



Welcome

Progressive Waste Solutions is pleased to provide you with *The Ridge* – our new community newsletter.

Progressive Waste is committed to keeping its immediate neighbours, residents of Charing Cross, Cedar Springs and Blenheim and the broader Chatham-Kent community informed about the landfill facility .

In this newsletter you can learn about our landfill operations and environmental management system as well as our commitment to contributing to the well-being of the local community. We have also added news about our future plans for the landfill.

IN THIS ISSUE

[A Partner to the Community](#)

[Protecting the Environment](#)

[Our Future Plans](#)

[Get Involved & Stay Informed](#)



A Partner to the Community

Progressive Waste Solutions is a growing company that employs over 60 persons in the Municipality of Chatham-Kent. We are committed to being a good neighbour and a responsible partner in the communities we serve.

The Ridge Landfill contributes approximately \$13 million directly and indirectly to the local community on an annual basis. On average, the Ridge Landfill generates direct and indirect benefits of approximately \$9 million annually in salaries, construction and road maintenance, goods and services purchased, taxes, etc.

The Ridge Landfill also directly contributes over \$4 million annually to the local community through:

- An annual royalty payment to the Municipality of Chatham-Kent based on the volume of material that comes into our facility from outside Chatham-Kent. In 2015, this amounted to \$2.3 million; and since 2005 we have contributed approximately \$15.9 million to the Municipality.
- Significant financial contributions to the Ridge Landfill Trust based on the volume of waste the landfill receives each year. In 2015, the Ridge contributed approximately \$1.1 million. These monies are allocated by a group of community leaders to projects and organizations that benefit the local community. The Trust has provided funding for the building of a Community Centre Park with the splash pad for children, the development of a new senior's centre and a youth drop in centre in downtown Blenheim. More information can be found at www.ridgelandfill.com.
- The Ridge provides an incentive to the Municipality of Chatham-Kent to reduce the amount of waste they deliver to the Ridge Landfill – the greater the tonnes diverted the more the municipality receives in additional funding. On average, Chatham-Kent receives close to \$800,000 per year.



Protecting the Environment

We have an environmental management system in place for the landfill that follows stringent Ministry of Environment and Climate Change regulations.

We continually review and update our operational programs in and around the landfill to maintain environmental protection and prevention of nuisance issues such as litter, birds, odour, noise, dust and traffic from impacting our neighbours and the community. We also work closely with the Ridge Community Liaison Committee which its members have made been very helpful in providing us input on wide range of operational and planning programs that we believe have improved the operation of the landfill.



“Progressive Waste Solutions is committed to creating a more sustainable future and constantly strives to ensure it operates to the most environmentally responsible management practices.”

–Cathy Smith, Project Manager



Our Future Plans

Progressive Waste Solutions is proposing to continue the operation of its landfill and expand the Ridge Landfill. The landfill would continue to be designed, developed and operated following stringent Ontario Ministry of Environment and Climate Change landfill regulations.

Our future plans for the landfill include:

- The development of a biogas facility to convert landfill gas into a pipeline quality natural gas which would be the largest biogas facility in Ontario and one of the largest in North America.
- The expansion of a public drop-off depot to allow residents to divert household hazardous and electronic wastes and other recyclables including scrap wood, scrap metal, drywall, concrete, tires, paints, etc., which are not being collected in the current residential recycling program. The facility would also allow businesses to segregate their recyclable from waste as a last chance harvest before final disposal.
- The construction of a new community activity centre to provide school children, community based organizations and the general public a place to meet and explore nature.

“An annual royalty is paid to the Municipality of Chatham-Kent... which in 2015 amounted to \$2.3 million. Since 2005, we have contributed approximately \$15.9 million to the Municipality.”

–Tim Kodol, Landfill Manager



Get Involved

Public input is very important to an expansion of the Ridge Landfill.

The proposed expansion will require the completion of an Individual Environmental Assessment (EA) under Ontario's *Environmental Assessment Act* in a mandatory two-step process.

- The first step involves the preparation of an EA Terms of Reference (ToR) which identifies the need/opportunity for disposal capacity and outlines the road map for the EA. The ToR must be approved by the Ministry of Environment and Climate Change.
- The second step is conducting the EA. The EA would look at different ways to develop the facility, diversion alternatives, the potential for environmental effects and how effects could be mitigated.

Both steps will provide opportunities for consultation with neighbours, local residents and other stakeholders.

Stay Informed

We know that people will have questions and will want to know that the environment, the enjoyment of their property and local businesses and agricultural activities will be protected. We will be consulting with our neighbours, residents and businesses in Charing Cross, Cedar Springs, Blenheim and the broader community of Chatham-Kent to discuss the project and understand their issues through a transparent process.

Join us for the Open House

The public consultation process will begin with an Open House:

**Tuesday, May 3, 2016 @ St. Mary's Hall
94 George Street in Blenheim
from 5:00 to 8:00 pm.**

To keep informed on the process, ask questions or provide comments, please contact us at www.ridgelandfill.com or call us at 519-676-5000.



Our Future Plans

On November 18, 2016, Progressive Waste Solutions submitted its final Terms of Reference (ToR) to the Ministry of Environment and Climate Change (MOECC) for their approval to proceed with an Environmental Assessment (EA) of our proposed expansion of the Ridge Landfill. The final ToR can be viewed on our website: www.ridge landfill.com.

An extensive consultation program was undertaken by Progressive Waste Solutions for the development of the ToR that began on May 3, 2016 with an open house at St. Mary's Hall in Blenheim. A total of 60 people attended the session. A draft ToR was prepared and released for a 30-day comment period beginning on June 28, 2016 along with a second open house held on the same date at St. Mary's Hall which was attended by 34 people. Progressive Waste also met with numerous community based organizations, government agencies and indigenous communities to discuss the ToR and gather valuable input.

Following approval of the ToR by the MOECC, Progressive Waste will be undertaking an EA in 2017 which will look at different ways to develop the expanded facility, the potential for environmental effects and how those effects could be mitigated. During the EA, we will be consulting with our neighbours, residents and businesses in Charing Cross, Cedar Springs, Blenheim and the broader community of Chatham-Kent to discuss the project and understand any issues through a transparent process.

We know that people will have questions and will want to know that the environment, the enjoyment of their property and local businesses and agricultural activities will be protected."

— **Cathy Smith, Project Manager for the Ridge Landfill Expansion Project**

Landfill Operations

In October of this year, the Ridge Landfill began a hydrogeological drilling program at the site. The drilling is part of pre-Environment Assessment field work to confirm existing environmental conditions. Drilling has occurred on buffer lands adjacent to the landfill operation and that involved six wells: one on Erieau Road, three along Allison Line, and two along Charing Cross Road. The drilling program also included the installation of an additional six leachate quality testing wells on-site. The program should be completed before the end of the year. The results of the drilling program will be part of the EA consultation process expected to begin in 2017.

In 2017, the Ministry of Transportation (MTO) plans to close the interchange at Highways 401 and 40 to demolish and create a new bridge which is part of the haul route to the landfill. This work is scheduled to commence in early 2017 for a period of about eight months. While the building of a new bridge at this location is needed, it will force traffic to the landfill to use a temporary haul route.

The MTO has identified the temporary haul route which will begin at the interchange of Highway 401 and Bloomfield Road. Trucks will be directed to go south on Bloomfield Road, then east on Middle Line and south on Erieau Road. Temporary traffic signals are being installed at Charing Cross Road and Middle Line to better manage traffic.



Progressive Waste Solutions has reached out to the MTO and Municipality of Chatham-Kent to highlight its concerns about truck traffic along the temporary haul route. Progressive Waste Solutions will be advising trucking companies using its landfill about their strict adherence to the temporary haul route and will work with local officials to monitor truck traffic to and from the Ridge Landfill.

#Ridge

Ridge Landfills Community Newsletter

December 2016

Welcome

Progressive Waste Solutions is pleased to provide you with the second edition of *The Ridge* – our community newsletter. Progressive Waste is committed to keeping its immediate neighbours, residents of Charing Cross, Cedar Springs and Blenheim, and the broader Chatham-Kent community informed about the landfill facility and its involvement in the community.

In this newsletter, you can learn about the status of our ongoing landfill operations and the proposed landfill expansion, as well as our commitment to contributing to the vitality of our neighbouring communities.

IN THIS ISSUE

Our Future Plans

Community Partnerships

Landfill Operations

The Ridge is a publication of Progressive Waste Solutions. © 2016

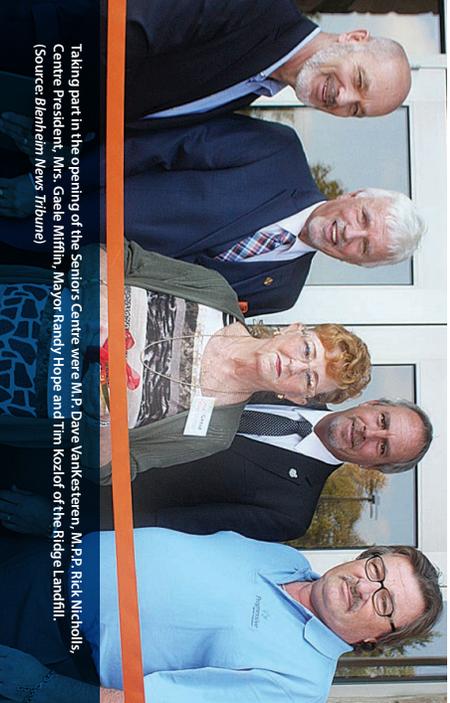
Community Partnerships

The Ridge Landfill contributes approximately \$13 million directly and indirectly to the local community on an annual basis. Of those monies, the Ridge contributed approximately \$1.1 million in 2015 to the Ridge Landfill Trust based on the volume of waste the landfill received that year. These monies are then allocated by a group of community leaders to organizations for projects that benefit the local community.

“We’re very proud that funding the Ridge Landfill provides to the Landfill Trust continues to make important contributions to the vitality of the community.”

– Tim Kozlof, District Manager for the Ridge

The Ridge Landfill Trust has provided close to \$1 million for the building of the new Seniors Centre facility which now boasts a membership of over 600 persons – a 100% increase in 2016 alone. On October 15, over 300 people attended the official opening of the new Blenheim Seniors Centre. Progressive Waste Solutions and members of the Trust were joined by local officials including Ward 2 Councillors Trevor Thompson and Karen Herman.



Taking part in the opening of the Seniors Centre were M.P. Dave Vankestereen, M.P. Rick Nicholls, Centre President Mrs. Gaele Miffin, Mayor Randy Hope and Tim Kozlof of the Ridge Landfill. (Source: Blenheim News Tribune)



Julie MacDonald, front left, of the Ridge Landfill Community Trust, along with Wang and Harvey, former contractor Aviv Sapron, Colin Logan, Mally Brabant and Thomas Cornhill. (Source: Blenheim News Tribune)

In 2017, the Charing Cross girls and boys fastball teams will be playing on a new and improved field courtesy of the Ridge Landfill Trust. The Trust provided between \$10 – 12,000 for major improvements to the baseball diamond that included a new infield surface that was installed this past month and a new perimeter fence will go up in the spring. Last summer, the Trust Fund financed the purchase and installation of five memorial benches at the ball diamond to honour the memory of five former Charing Cross players. The Trust Fund also paid for the new lights a few years earlier. With close to 200 players and 15 teams last year, the baseball field is a much-used recreational facility in the community.

To celebrate National Waste Reduction Week, Progressive Waste Solutions and the Municipality of Chatham-Kent partnered to host two events to provide free recycling boxes and a reusable bag to residents with curbside collection. A total of 4,738 recycling boxes were handed out which equates to approximately 2,369 households receiving new larger recycling bins for recyclables. “We are pleased to be a partner with the Municipality of Chatham-Kent and promoting the diversion of recyclables from disposal. These materials are an integral part of Ontario’s burgeoning circular economy whereby they can be transformed into new products,” said Cathy Smith, Project Manager for the Ridge Landfill Expansion Project.

“The turnout exceeded our expectations and reminded us that we need to do more to promote waste diversion at the curb to improve our current blue box diversion rate and meet future targets.”

– Rick Kucera, Manager of Waste and Recycling Services for the Municipality of Chatham-Kent



Recycling boxes and the reusable bags were given away at the Harwich Transfer Station.

For more information about the Ridge Landfill, please visit: www.ridgelandfill.com

Appendix C

Media Articles and Transcripts

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Ridge Landfill expansion sought



Apr 27 • [Feature Story](#), [Local News](#) • [1 Comment on Ridge Landfill expansion sought](#)

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Progressive Waste Solutions is in the process of applying for an expansion of operations at its Ridge Landfill site that could assure its viability for the next two decades.

Project manager Cathy Smith said the process involves having the province approve land within the site.

Only 350 acres of the 800-acre site is approved to accept waste. Approval by the Ministry of Environment and Climate Change would mean another 200 to 250 acres would be available.

The company will host a May 3 open house meeting in Blenheim to get residents' feedback. The open house is from 5-8 p.m. at St. Mary's Hall, 94 George St. in

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 **Chatham Voice**
3 hrs

A little over a month away:
<http://chathamvoice.com/.../ck-youth-festival-slated-for-jun.../>



CK youth festival slated
The Optimist Club of Chatham and
CHATHAMVOICE.COM

1 **Comment** **Share**

Blenheim.

Smith said her firm is also seeking approval to accept waste materials from across the province, although she doesn't expect there will be a major change in the way the site operates.



[Chatham Mazda](#) from [Chatham Voice](#) on [Vimeo](#).

“There are two kinds of licences; those that allow us to accept material from adjacent areas and another that allows province-wide material.

If approved, it will just give us more flexibility to accept material if the need arises.”

There would be no change in the type of waste permitted, nor would the site accept more than its current 1.3 million tonnes.

She said the plan should be submitted to the province by August with the earliest approval being toward the end of this year.

Development of the new portion of the site would still be four years away.

Smith noted in addition to taxes, the municipality receives \$2.3 million as a royalty payment for hosting the site. The firm also makes donations to the Ridge Landfill Trust for community projects.

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Comments

1 comments

1 Comment





Add a comment...



Chatham, Ontario

Smith noted in addition to taxes, the municipality receives \$2.3 r
 hosting the site. The firm also makes donations to the Ridge La
 projects.B.S. and WHAT A HELL OF DOWNPAYMENT"" on futu
 look out there people of Chatham Kent at the mountain a stones
 is a
 Sorry state..... what a HELL Legacy we are leaving for my GRAN
 Progressive Waste Solutions..I also noted How you controlled th
 is your buisness and you full of it !!!!

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Facebook Comments Plugin

Chatham-Kent landfill

ABOUT THE AUTHOR: **JIM BLAKE**



Jim is a media professional with more than three decades of
 experience as a writer, editor and publisher. A founding member of
 the Canadian Managing Editors Association and former Governor
 of the National Newspaper Awards he has been recognized locally
 provincially and nationally. He has been honoured individually
 and as a member of news teams on many occasions for writing, editing and design
 work. A long-time community volunteer Jim has served as chair of the Chatham-Kent
 United Way, has assisted in community and municipal advocacy and planning groups
 and health care fundraising.

1 Comment



Add a comment...

Owner wants to increase lifespan by 20 years



By Ellwood Shreve, Chatham Daily News
Friday, April 22, 2016 4:14:44 EDT PM



Plans are in the works by Progressive Waste Solutions Canada, Inc. to seek approval to expand the Ridge Landfill site by 200 to 250 acres that would add 20 years worth of capacity. Photo taken near Blenheim, Ont. on Friday April 22, 2016. (Ellwood Shreve, The Daily News)

BLENHEIM - The owner of the Ridge Landfill is seeking a 20-year expansion that would include permission to accept residential waste from across Ontario.

Cathy Smith, project manager with Progressive Waste Solutions Canada Inc., said Friday if Ministry of Environment and Climate Change approval is granted, the expansion of the landfill would be done on an incremental basis.

New "cells" would be constructed annually, ranging from 10 to 12 acres in size and designed to accommodate about a year's worth of waste, she told the Chatham Daily News.

"We construct a cell, we fill it, and then as we're nearing completion of that cell, we construct a new cell," Smith said.

The landfill, which began operating 50 years ago, will reach its currently approved capacity by 2022.

The landfill site is 800 acres in size, with 350 acres now approved for disposal. Smith said the expansion would likely be in the range of 200 to 250 acres, depending on a final approved engineering design by the environment ministry.

Progressive Waste is initiating a study under the Environmental Assessment Act to expand the landfill. That study includes holding a public open house on May 3 when Progressive Waste and Dillon Consulting staff will be available to provide information. The open house is from 5-8 p.m. at St. Mary's Hall, 94 George St. in Blenheim.

Even if Progressive Waste receives approval to accept municipal solid waste from all of Ontario, it would not increase the annual 1.3 million tonnes capacity that currently exists at the landfill, Smith said.

"It's business as usual . . . we'd be operating in the exact same way that we've be operating," she said. "It would just be for longer."

Smith said the dynamics of the industry is fluctuating, with the province moving towards a Waste Free Ontario strategy to increase diversion of waste from landfills. The ability to accept municipal waste from all of Ontario gives Progressive Waste flexibility to maintain the same tonnage input to the site, she said.

However, Smith said it would not be practical, from a transportation perspective, for the Ridge site to receive municipal waste from either the northern or eastern parts of the province.

Having a province-wide permit in place would allow the Ridge Landfill to offer emergency capacity for municipalities, she said. A flooding situation would be an example.

The landfill currently has a permit to receive industrial, commercial and institutional waste from across Ontario as well as residential waste from four surrounding counties – Essex, Lambton, Elgin and Middlesex.

Smith said the four surrounding counties have their own landfill capacity.

The province also has a strategy to see fewer landfills operating across Ontario, preferring larger well-run landfills, which Smith said is a category the Ridge site falls into as one of the largest in Ontario.

Even with a strong push for waste diversion through recycling, Ontario is still facing a lack of landfill capacity. Smith cited a recent study by the Ontario Waste Management Association that determined if the amount of waste now going to Michigan remains in place, the province will run out of capacity in 16 years.

If Michigan decides to close its border to Ontario waste, she said the study says landfill capacity would expire in 11 years.

“The ministry definitely recognizes the need for capacity, there's no question about that.”

There is an economic benefit to the municipality to having the Ridge Landfill remain open, Smith said. According to a community newsletter by Progressive Waste, the landfill provides \$13 million in direct and indirect benefits, including \$9 million paid in salaries to employees, construction and road maintenance, goods and services purchased, and taxes. There is also a \$2.3-million direct annual royalty payment to the municipality for being a host community, plus another \$1-million-plus construction to the Ridge Landfill Trust that helps fund area community projects.

Smith said these economic benefits disappear if the landfill cannot expand in order to continue operating.

Eshreve@postmedia.com

Twitter.com/DailyNewsES

Proposed Ridge Landfill expansion would make it one of largest in Ontario



By Ellwood Shreve, Chatham Daily News
Tuesday, May 3, 2016 9:36:54 EDT PM



Paul Tomen, left, shows Cathy Smith, project manager with Progressive Waste Solutions Canada Inc., the location of his farm, near Charing Cross, Ont., which has a section that borders on the Ridge Landfill. Tomen is among the local residents who attended a public meeting in Blenheim, Ont. on Tuesday May 3, 2016, that provided details on a plan to extend the life of the landfill by 20 years. (Ellwood Shreve, The Daily News)

BLENHHEIM - Landfills can be a thorny issue, especially when it comes to expansion.

Paul Tomen, 90, has lived beside the Ridge Landfill, near Blenheim, since it open in 1966. In fact, his 100-acre farm that runs between Charing Cross Road and Erieau Road, abuts the entire north side of the landfill.

“There's two different ways of looking at it,” he said. “We need a landfill . . . but you see nobody wants to live by a landfill.”

Tomen was among the local residents who attended an open house in Blenheim on Tuesday night, organized by Progressive Waste Solutions Canada Inc. (PWS), owner of the Ridge Landfill, to explain its reasons for seeking approval from the Ministry of Environment and Climate Change to extend life of the landfill for another 20 years.

The landfill is slated to reach its current approved capacity by 2022. The 800-acre site currently has 350 acres approved for disposal and PWS is seeking to expand that by 200 to 250 acres over the next 20 years. However, the company said this would be done incrementally with 10-12 acre cells being constructed annually to accept the 1.3 tonnes of waste permitted to be accepted each year.

Wes Muir, PWS director of public and government relations, said, "we're simply seeking a continuation.

"We're still accepting the same volume, we're just extending the years (because) we're running out of capacity."

Muir noted if the expansion is approved, Ridge Landfill would become one of the largest landfills in Ontario at this current capacity rate.

Tomen said he's been hearing from neighbours about the proposed expansion.

"Some of the neighbours are against it," he said, adding some figure they may have to move away.

"I haven't got the full explanation for it," Tomen said after leaving the meeting.

Mike and Cindy Bokor, who live in Cedar Springs where they also run their business, Greatview Orchards, have a few concerns.

"What's it going to do to our land value once (the landfill) expands in the future?" Cindy Bokor said.

"From our market, we can see the landfill back behind us . . . and from our house, too," Mike Bokor said, adding the proposed expansion will bring the landfill closer to their properties.

The couple have smelled the garbage from the landfill and have concerns about it getting worse if an expansion takes place.

Mike Bokor said PWS has indicated it has a water misting machine to help control the smell.

"Time will tell," Cindy Bokor said, adding, "we'll just have to do some more questioning."

While residents may be worried about land values, municipal officials look at the positive economic impact the landfill provides.

South Kent Coun. Frank Vercouteren points to the \$1-million-plus annually the Ridge Landfill Trust provides for community projects as well as the millions in other direct and indirect benefits derived from the operation.

"I'm happy to see this, I think they've done a good job," he said.

Fellow South Kent Coun. Trevor Thompson said the landfill has a "proven track record here in the community."

Noting his home is only 2.5 kilometres from the site, Thompson said he hears the occasional complaints about the smell and noise.

"I smell it once or twice a month," he said. "By no means is it an issue."

Thompson would be pleased to see the landfill continue for another 20 years, noting the municipality receives an annual \$2.3 million host fee.

"If that money was gone, that's a two per cent tax increase for everybody in Chatham-Kent," he said.

Rick Kucera, Chatham-Kent's manager of waste and recycling services, said not having a local landfill would be result in "awful expense" if the the municipality had to transport its garbage to another community.

In addition to the host fee, Kucera said Chatham-Kent also receives very favourable disposal rate of \$33 a metric tonne.

"I don't think you can find that rate anywhere in Ontario," he said.

"Most communities are paying two to three times what we pay," he added.

Noting Chatham-Kent can't overlook the economic benefits, Kucera said, "at the end of the day, the environment is what matters first."

He added as long as PWS "can protect the environment, and there's no further impacts to the community, it's definitely an encouraging proposal."

Eshreve@postmedia.com

Twitter.com/DailyNewsES

Development of biogas facility in works at Ridge Landfill



By Ellwood Shreve, Chatham Daily News
Wednesday, May 4, 2016 5:21:03 EDT PM



Ridge Landfill. (Ellwood Shreve, The Daily News)

Expanding the Ridge Landfill isn't the only future project Progressive Waste Solutions has planned for the site.

The company is currently working on plans to develop a biogas facility to convert landfill gas into pipeline-quality natural gas, said Wes Muir, PWS director of public and government relations.

He said the local project would be about the same size as the biogas facility Progressive operates at its Lachenaie Landfill in eastern Montreal, which is the largest of its kind in Canada and among the largest in North America.

The biogas is taken from that landfill and turned into a "pipeline quality gas and put directly into pipelines and sent to customers in the United States," Muir said.

According to the Renewable Energy From Waste magazine, the \$44-million Lachenaie project, which began operations in March, designed to process 10,000 cubic feet per minute of incoming landfill gas. The gas generated is equivalent to fuelling 1,500 trucks for 20 years and will result in the avoidance of greenhouse gas emissions of 1.2 million metric tons of carbon dioxide over a 10-year period.

Muir said the technology to convert landfill gas into electricity or pipeline-quality natural gas has been around for nearly 40 years and has been introduced to several landfills across North America.

This project was discussed during a public open house that Progressive held in Blenheim on Tuesday to discuss plans to seek permission from the Ministry of Environment and Climate Change to extend the life of the Ridge Landfill for 20 years by using another 200 to 250 acres of land.

The 800-acre site, which currently has approval for 350 acres to be used for garbage disposal, is expected to reach its current approved capacity by 2022.

Peter Shillington, former mayor of Blenheim, who attended Tuesday's meeting, said the community was working on a deal at the time with former landfill owner BFI to install a generator to produce electricity from the landfill gas.

"The town was going to be a 50/50 partner with them (BFI)," he said.

Shillington said the deal was in the works around 1993-94, but then municipal amalgamation came along and “it died.

“Nobody’s talked about it again, until now,” adding Shillington, who is not opposed to the landfill expansion.

Muir said the company originally looked at converting the landfill gas into electricity, but that changed after seeing the success with the Lachenaie project.

“It’s only been recently that we’ve seen a more of an increase in converting landfill gas into pipeline quality gas,” he said.

“Generally, it’s a good investment and it’s a great use of a resource that normally would simply be flared off,” Muir said. “Here we convert it into a renewable energy source that can be sent to customers locally and internationally.”

He said the project is not contingent on the environmental assessment needed to move forward on expanding the landfill.

While there is no definite start date, Muir said, “depending on permits and other issues, we could actually start the project fairly soon.”

Eshreve@postmedia.com

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Article rank | *5 May 2016* | *The London Free Press* | *Chatham Daily News*

Biogas facility slated for Ridge Landfill site

CHATHAM — Expanding the Ridge Landfill isn't the only future project Progressive Waste Solutions has planned for the site. The company is currently working on plans to develop a biogas facility to convert landfill gas into pipeline-quality natural gas, said spokesperson Wes Muir. He said the local project would be about the same size as the biogas facility Progressive operates at its Lachenaie Landfill in eastern Montreal, which is the largest of its kind in Canada.

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Appendix D

Open House Materials

Welcome

to the Ridge Landfill Open House

We are committed to keeping our neighbours, local residents and the broader community informed about our operation and our future plans and hope you find the event informative.

Here you can learn about the proposed expansion and how you can be involved and stay informed.

Progressive Waste Solutions staff and consultants are available to answer any questions you may have as you read the presentation boards.



Progressive
Waste Solutions

About Progressive Waste Solutions

Ridge Landfill Open House

- Progressive Waste Solutions is a leading provider of comprehensive waste management services in Ontario as well as across Canada.
- We have earned a highly valued reputation for environmental protection, waste diversion and recycling and development of renewable energy projects.
- We are committed to the most environmentally responsible management practices.
- Progressive Waste Solutions is a growing company that employs over 60 persons in the Municipality of Chatham-Kent.

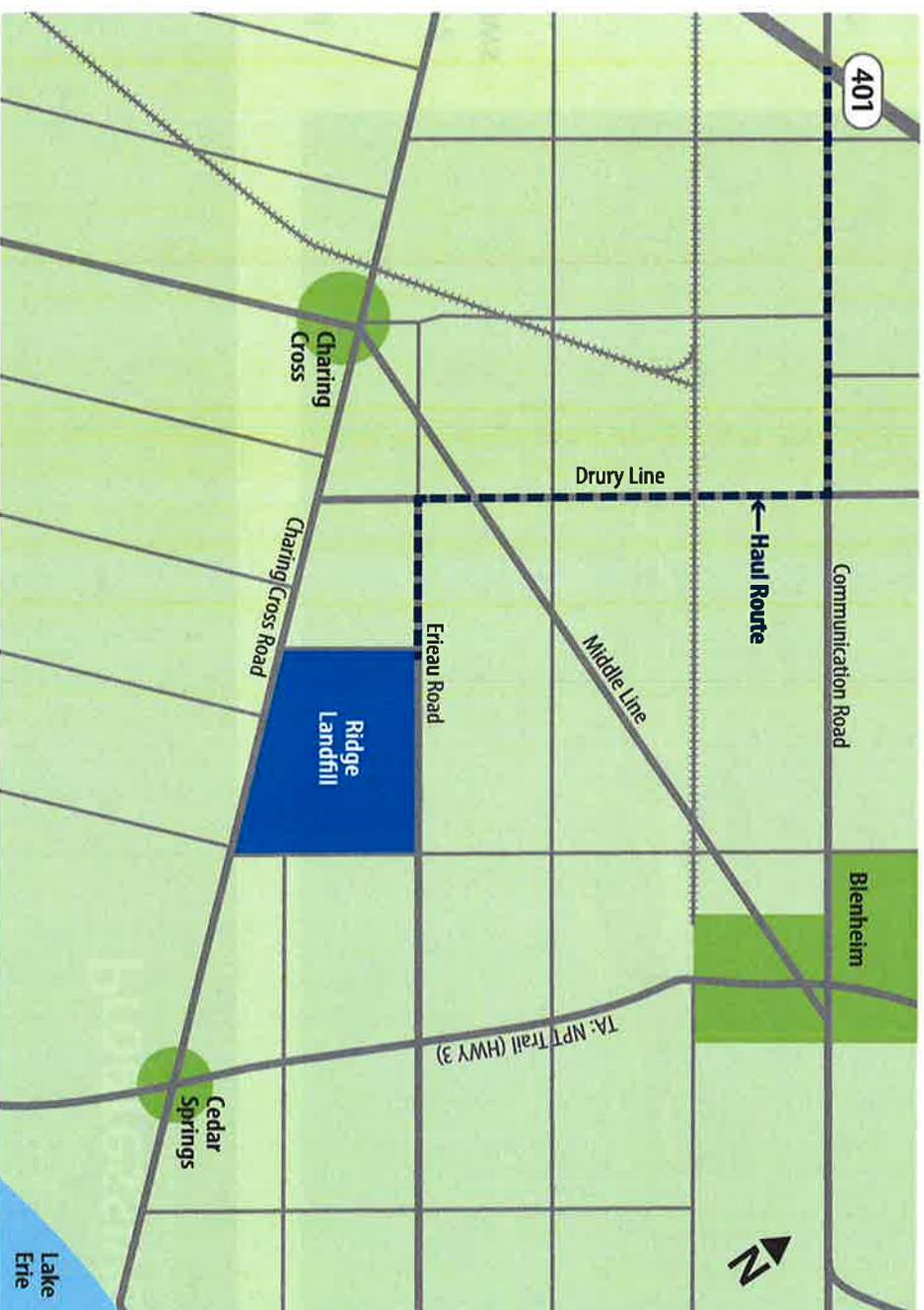



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Waste Solutions

The Ridge Landfill

Ridge Landfill Open House

- Landfill operations began in 1966.
- Progressive Waste Solutions takes ownership and operation in 2005.
- Employs 23 persons.
- Landfill receives all Chatham-Kent residential waste.
- Landfill is expected to reach capacity in 2022.



Environmental Management System

Ridge Landfill Open House



We have an excellent environmental record at the landfill site.

- We have an environmental management system in place for the landfill that follows stringent Ministry of Environment and Climate Change regulations.
- We continually review and update our operational programs in and around the landfill to maintain environmental protection and prevention of litter, birds, odour, noise, dust and traffic from impacting our neighbours and the community.



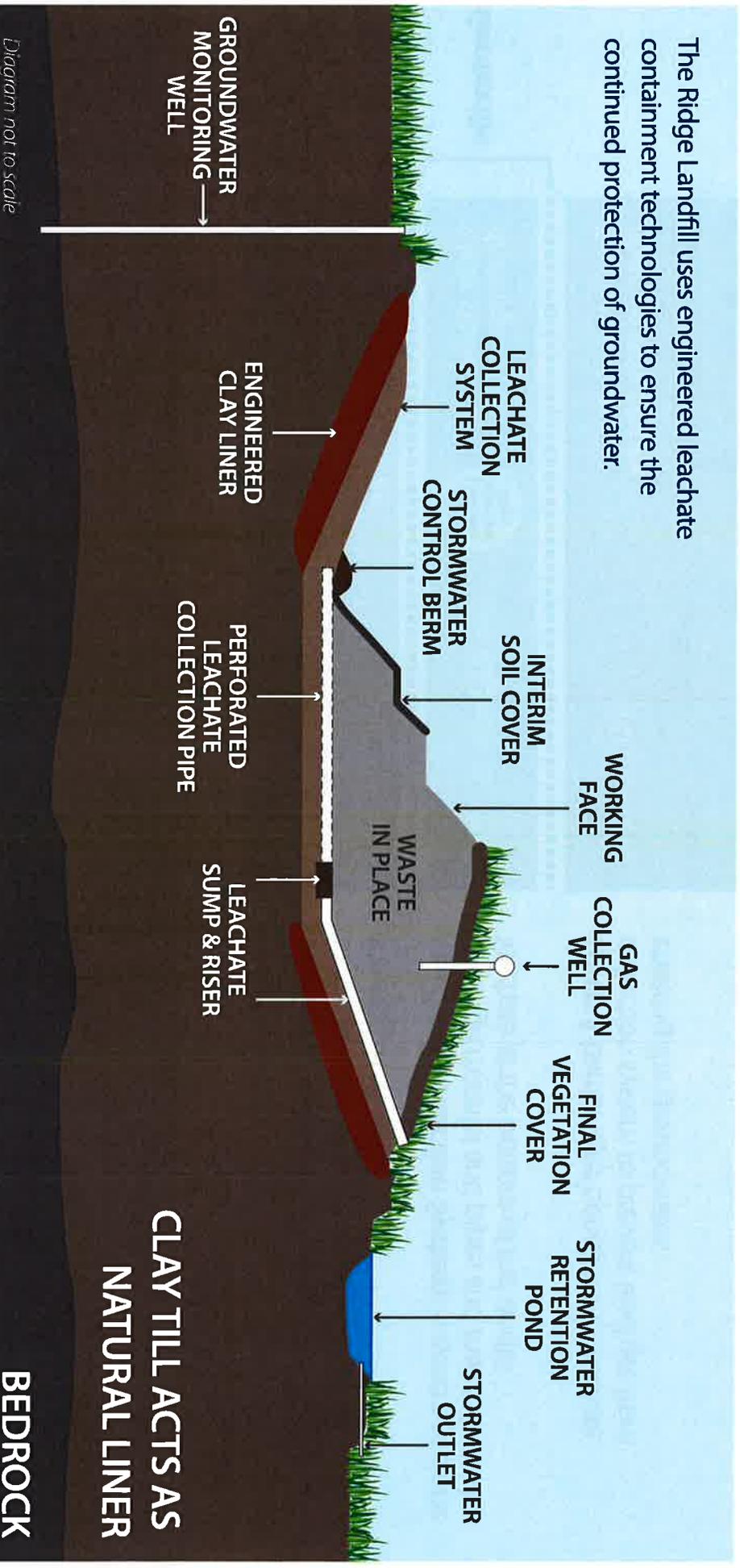
Gas collection well
at the Ridge Landfill

An Environmentally Engineered Landfill

Ridge Landfill Open House

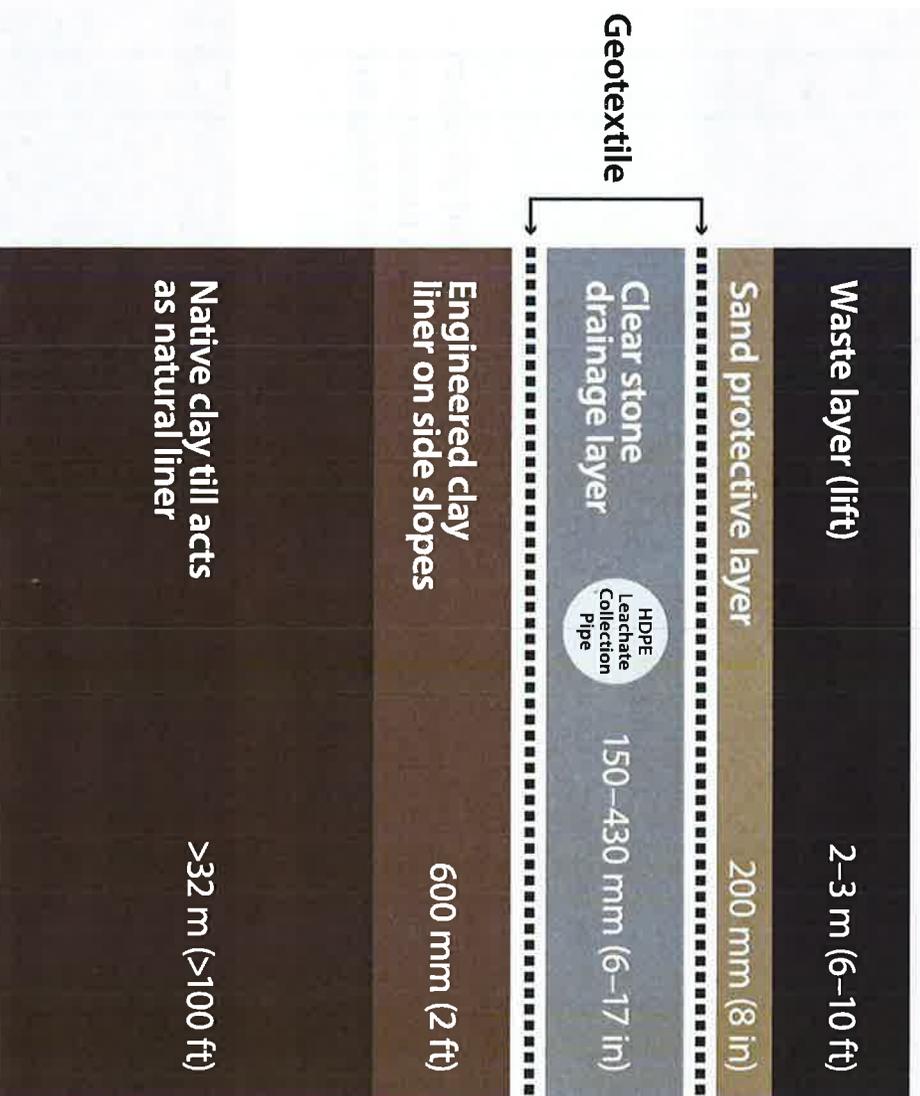


The Ridge Landfill uses engineered leachate containment technologies to ensure the continued protection of groundwater.



Leachate Collection System

Ridge Landfill Open House



Leachate: Water (either from rain or decomposition of waste) that percolates through the waste.

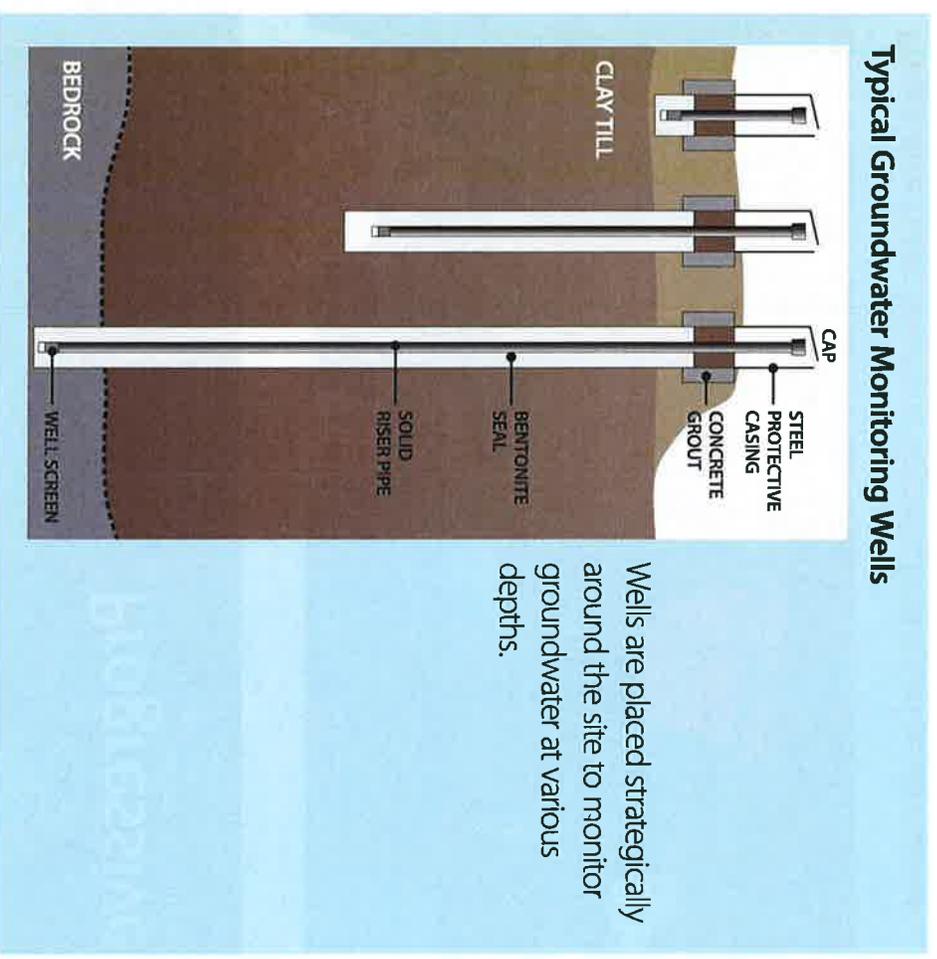
Leachate Collection System: A system of stone drainage material and pipes and that collects the leachate at the bottom of the landfill.

Liner: A barrier layer beneath the leachate collection system to prevent leachate from entering the groundwater.

Groundwater Monitoring System

Ridge Landfill Open House

- The Ridge Landfill has an environmental management system that monitors all aspects of the landfill including groundwater in and around the landfill.
- Annual monitoring of ground and surface water is conducted by a third party providing assurances the environment is being protected.
- There have been no impacts to the groundwater identified.



A Partner in the Community

Ridge Landfill Open House



The Ridge Landfill contributes approximately \$13 million directly and indirectly to the local community.

- Appropriately \$9 million is spent annually on salaries, construction and road maintenance, goods and services purchased, taxes, etc.
- We are committed to being a good neighbour and a responsible partner in the communities we serve.



Progressive Waste Solutions supports Breast Cancer awareness.

Last year, Progressive Waste placed the winning bid on this special pink collection can created by Curotto and the Susan G. Komen For The Cure Foundation. We are proud to have it in use with our collection fleet on the streets of the Municipality of Chatham-Kent, Ontario, reaching 35,000 persons.

Community Host Agreement & Commitments

Ridge Landfill Open House



Of the \$13 million annual benefit, over \$4 million is provided directly to the local community.

- An annual royalty payment to the Municipality of Chatham-Kent based on the volume of material that comes into our facility from outside Chatham-Kent. In 2015, this amounted to \$2.3 million; and since 2005 we have contributed over \$15.9 million to the Municipality.
- Significant financial contributions to the Ridge Landfill Trust based on the volume of waste the landfill receives each year. In 2015, the Ridge contributed approximately \$1.1 million. These monies are to benefit the local community such as the building of the Community Centre Park and splash pad (see photos at right), a new seniors' centre and youth drop in centre in downtown Blenheim.
- The Ridge provides an incentive to the Municipality of Chatham-Kent to reduce the amount of waste delivered to the Ridge Landfill. The greater the tonnes diverted from disposal, the more the municipality receives in additional funding. On average, Chatham-Kent receives over \$800,000 per year.



Our Future Plans

Ridge Landfill Open House

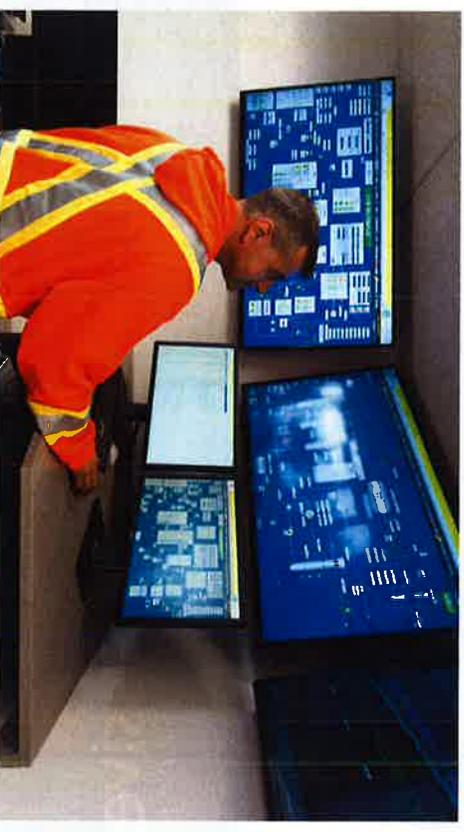
Progressive Waste Solutions is proposing to expand the life of the Ridge Landfill for an additional 20 years following stringent Ontario Ministry of Environment and Climate Change landfill regulations.

The annual permitted disposal capacity will not increase.

Progressive Waste Solutions will continue to accept industrial and commercial waste from across the province and will seek to expand its service area for residential waste across Ontario.

Other future plans for the landfill include:

- The development of a biogas facility to convert landfill gas into a pipeline quality natural gas which would be the largest biogas facility in Ontario and one of the largest in North America. We already operate a similar biogas facility at our Lachenaie Landfill in Quebec.
- The expansion of a public drop-off depot to allow residents to divert materials which are not being collected in the current residential recycling program.
- The construction of a new community activity centre.



Our Future Plans: The proposed expansion

Ridge Landfill Open House



Map of current site and potential expansion areas



- Approved Waste Disposal Area
- Proposed Expansion Waste Disposal Area
- Existing Woodlot Area
- Existing Woodlot Area to be relocated
- Proposed Woodlot Area
- Stormwater Pond
- Proposed Stormwater Pond
- Existing Berm
- Proposed Berm
- Progressive Waste Property Line

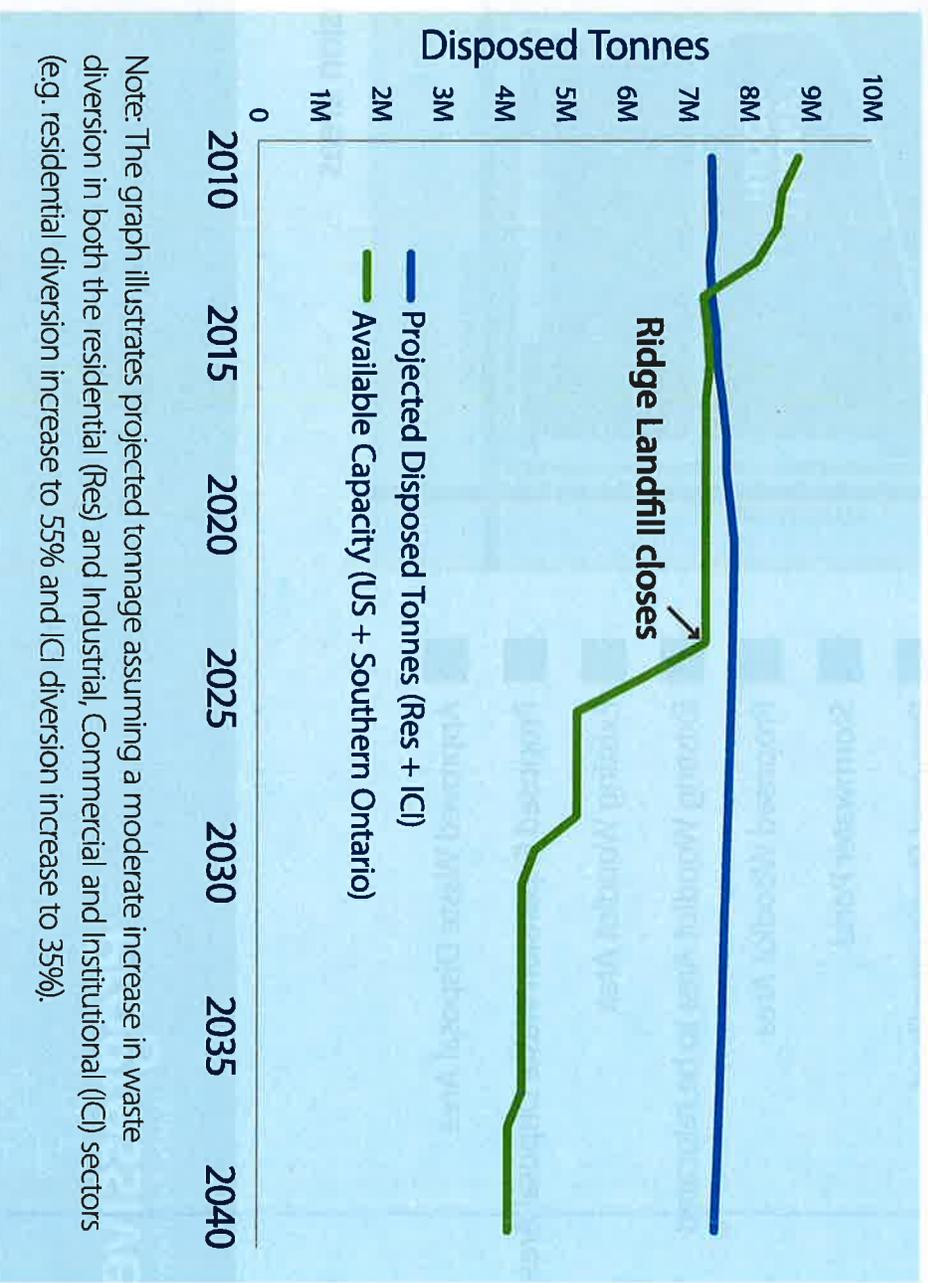
Our Future Plans: Need for more capacity

Ridge Landfill Open House



Despite increased waste diversion, over 7 million tonnes of residual waste is disposed of annually in Ontario and the U.S. With provincial population growth, this need is expected to continue.

With the expected closure of existing Ontario landfill sites over the next 10 years (which could include the closure of the Ridge Landfill in 2022), it is estimated that there will be a need for new or expanded waste disposal facilities in Southern Ontario.



Note: The graph illustrates projected tonnage assuming a moderate increase in waste diversion in both the residential (Res) and Industrial, Commercial and Institutional (ICI) sectors (e.g. residential diversion increase to 55% and ICI diversion increase to 35%).

Our Future Plans: Alternatives to expansion

Ridge Landfill Open House



Progressive Waste Solutions considered alternative ways to continue to provide waste disposal services:

Do nothing

Involves closing the Ridge Landfill. This alternative does not provide capacity to meet the long term waste disposal needs for Chatham-Kent and Southern Ontario.

Close Ridge Landfill and construct a new landfill

Involves finding a new landfill site location. Past work demonstrates that there is no location for a landfill site in Southern Ontario that is equivalent to or better than the Ridge. Progressive Waste Solutions does not own any other property suitable for landfill in Southern Ontario.

Expand Ridge Landfill

Involves expanding the Ridge Landfill. This alternative provides capacity to meet the long term disposal needs but does not result in any additional diversion of materials from disposal.

Expand the Ridge Landfill with waste diversion

Involves creating more long-term disposal capacity for local and Southern Ontario needs. Additional waste diversion processing capacity could be added at the facility and/or elsewhere.

Preferred Alternative

Environmental Assessment Process

Ridge Landfill Open House

The proposed expansion of the Ridge Landfill requires approval under the Environmental Assessment (EA) Act. Two key steps must be completed. At each step, the Ministry of the Environment and Climate Change must provide for approval to proceed.

Step 1

Terms of Reference (ToR)

- Outlines the EA 'road map', the activities and studies to be undertaken during the EA process for the proposed Ridge Landfill expansion.
- Includes consultation with the community.

Step 2

Environmental Assessment (EA)

- Considers alternative ways of developing the Ridge Landfill.
- Documents potential environmental effects (positive and negative) of expanding the landfill.
- Develops a plan to reduce or eliminate negative impacts of the project.
- Includes consultation with the community.

Terms of Reference

Ridge Landfill Open House



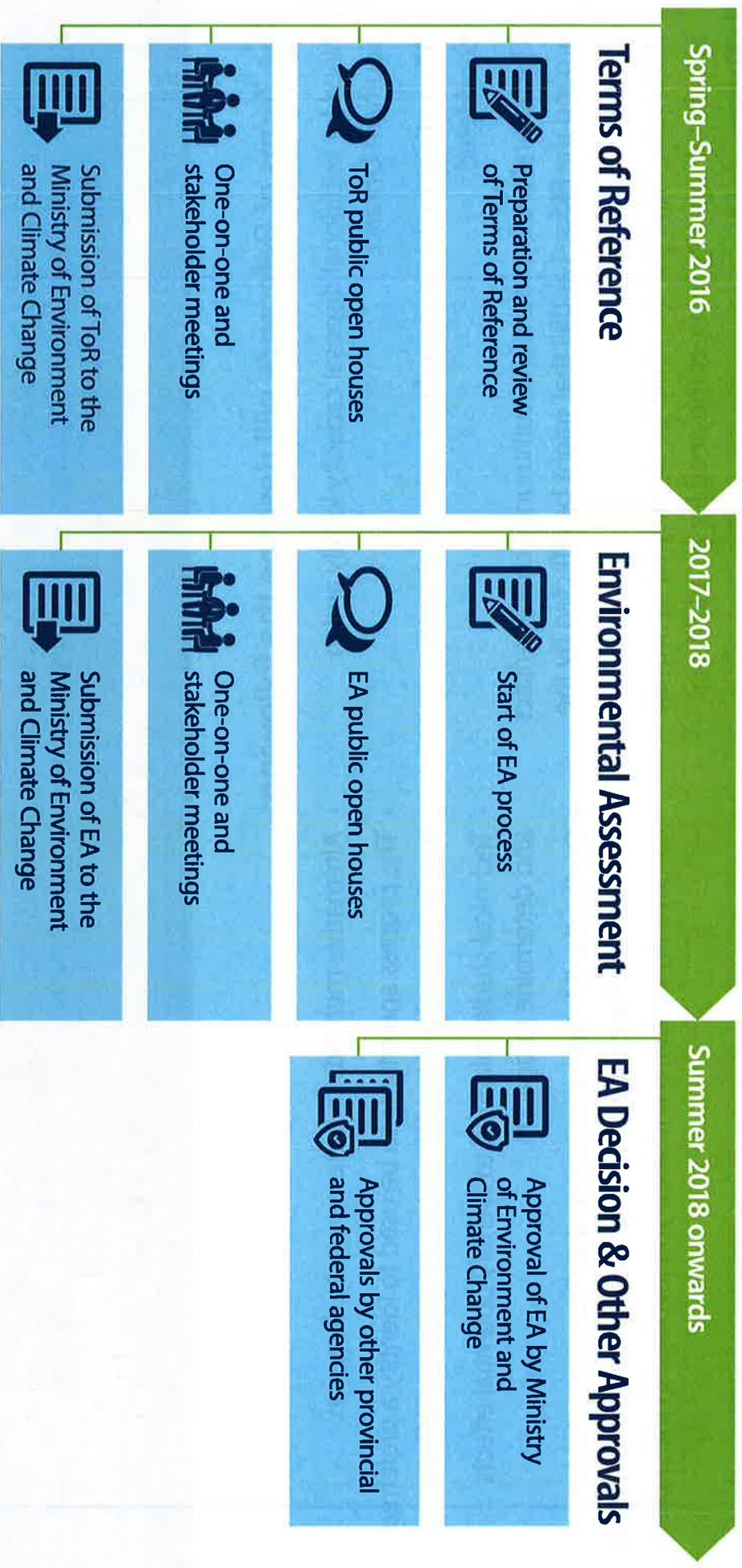
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The Terms of Reference will describe the following:

- Need for additional disposal capacity locally and in Southern Ontario.
- Alternatives to the proposed expansion that were considered.
- The natural environment and community characteristics around the Ridge Landfill that might be affected by the proposed expansion.
- Alternative ways the site could be developed to provide additional capacity to meet the need for an additional 20 years.
- Alternative methods to increase waste diversion.
- The process and criteria to be used to identify a preferred way to expand the landfill and assess potential effects.
- Technical studies planned to identify potential effects and determine mitigation.
- During the EA, the consultation that Progressive Waste Solutions will undertake will help the company understand community concerns and keep you involved in the project.

Environmental Assessment Process

Ridge Landfill Open House



Get Involved

Ridge Landfill Open House



Visit us at: ridgelandfill.com



Sign up to the
email list



Fill out a
feedback form



Cathy Smith

Project Manager
Progressive Waste Solutions Canada

☎ 519-676-5000

✉ cathysmith@progressivewaste.com

Progressive Waste Solutions

Stay Involved

Ridge Landfill Open House

During the Terms of Reference, consultation with the community will include:

Two Public Open Houses

To exchange information and hear community concerns and questions.



Community Newsletters

To provide news and information about the site and proposed expansion project.



Stakeholder Meetings

To provide opportunity for one-on-one meetings with Progressive Waste Solutions staff to discuss the proposed expansion project.



Thank you

Ridge Landfill Open House

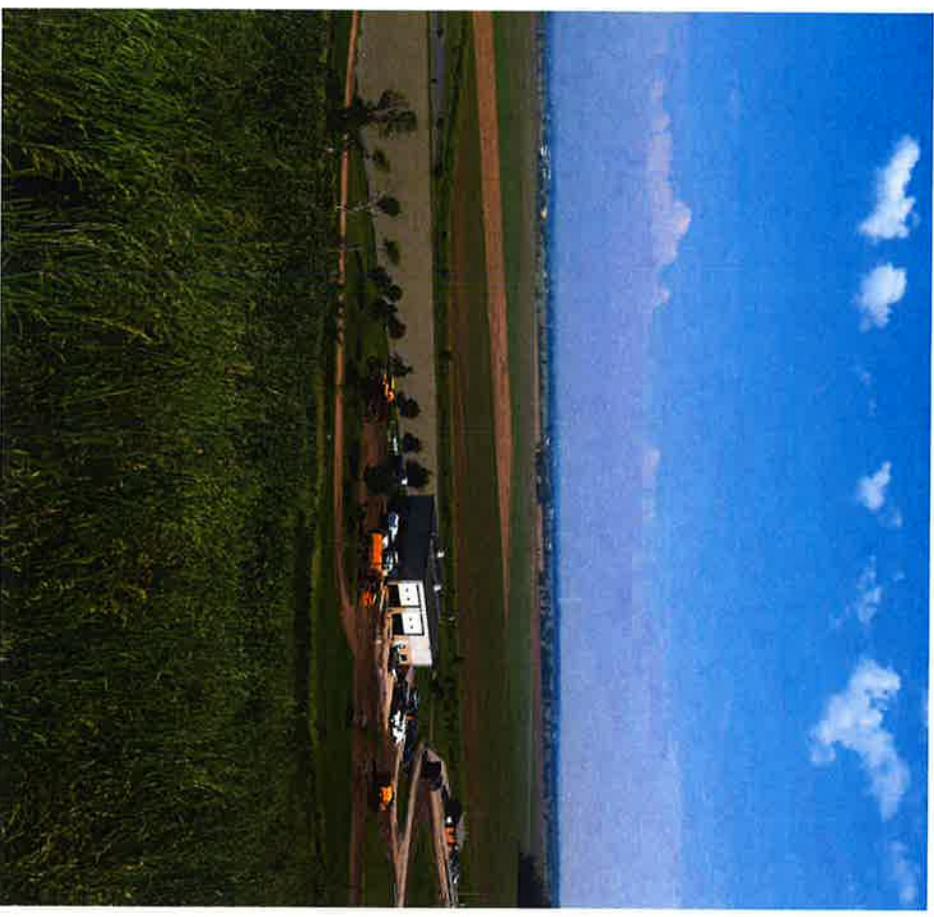


We want to hear from you!

Your issues or concerns are important to us, and we want to know about them.

We want to ensure that your questions are addressed and that approaches to their resolution are developed and understood.

You can leave written questions or comments you have with us today, or send them to us anytime at: ridgelandfill.com



Proposed Ridge Landfill Expansion

May 3, 2016 Public Open House



Progressive
Waste Solutions

Comment Form

Your input is important to Progressive Waste Solutions. Please take a moment to fill out this comment form.

1. How did you hear about this Open House? (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: _____

2. Were you provided with enough information at this Open House to understand the project?

Yes

Somewhat

No

Please Explain why: _____

3. Please provide any comments on the proposed Ridge Landfill Expansion.

4. Please complete if you would like to be added to the contact list for this project:

Name _____

Address _____

Email _____ Phone _____

Thank you for your input.

Your completed form can be mailed/emailed to:

Or you can contact us through our website.

Cathy Smith, Project Manager
Progressive Waste Solutions Canada Inc.
email: cathy.smith@progressivewaste.com
20262 Erieau Road, PO Box 1871, Blenheim,
Ontario, N0P 1A0

Welcome to the Second Ridge Landfill Expansion Open House

The purpose of this event is to keep our neighbours, local residents and the broader community informed about the proposed expansion and get your input on the draft Terms of Reference which is available at www.ridgelandfill.com

Progressive Waste Solutions staff and consultants are available to answer any questions you may have as you read the presentation boards.



Progressive
Waste Solutions

The Ridge Landfill Open House



Progressive
Waste Solutions

About Progressive Waste Solutions

- Progressive Waste Solutions is a leading provider of comprehensive waste management services in Ontario as well as across Canada.
- We have earned a highly valued reputation for environmental protection, waste diversion and recycling and development of renewable energy projects.
- We are committed to the most environmentally responsible management practices.
- Progressive Waste Solutions is a growing company that employs over 60 persons in the Municipality of Chatham-Kent.



The Ridge Landfill

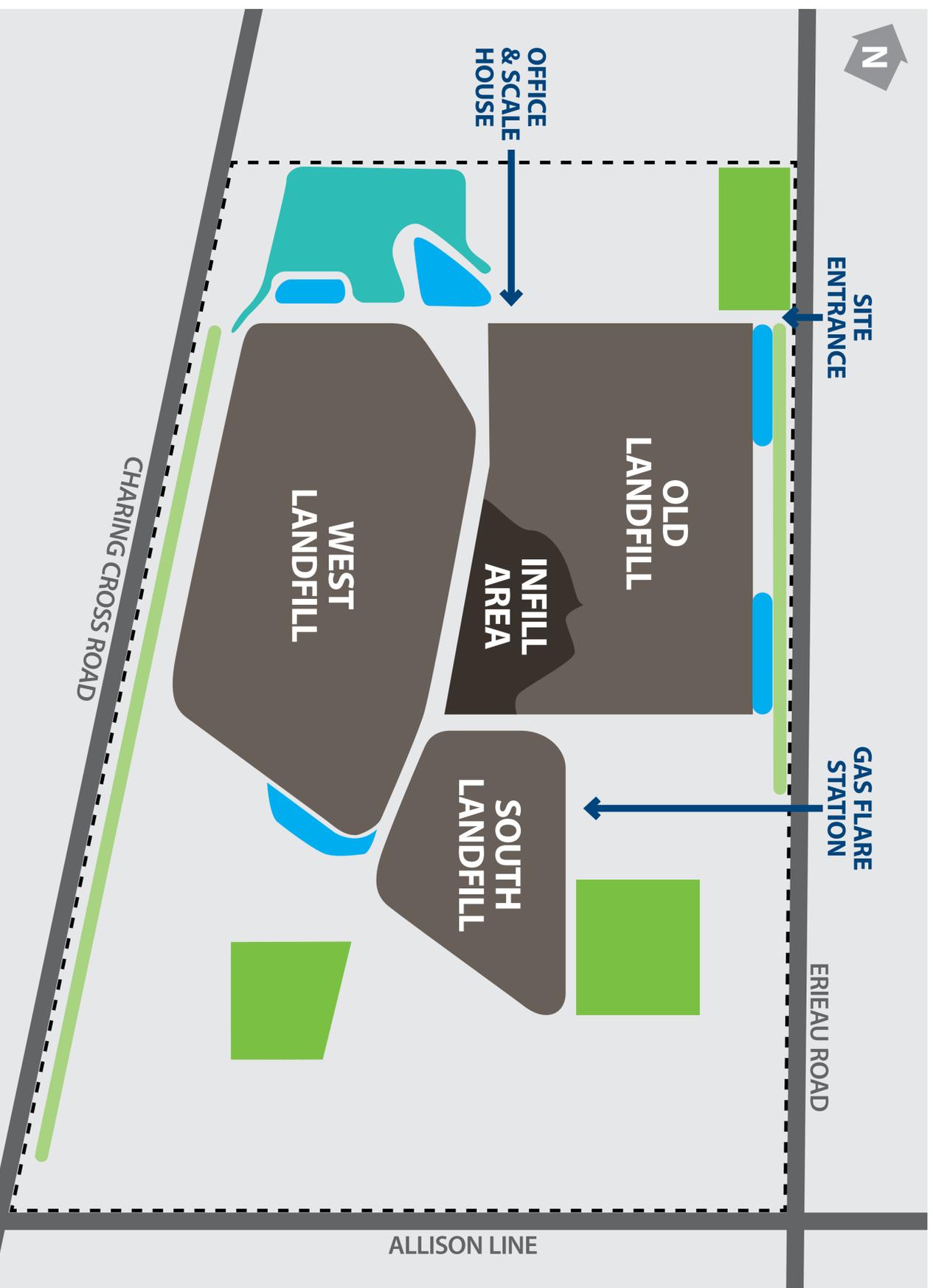


- Landfill operations began in 1966.
- Progressive Waste Solutions takes ownership and operation in 2005.
- The facility employs 23 persons.
- The Ridge Landfill receives all Chatham-Kent residential waste, and industrial commercial waste from across Ontario.
- The landfill is expected to reach capacity in 2022.





Current Landfill Site Operations



- Approved Waste Disposal Area
- Infill Area
- Existing Woodlot Area
- Existing Flood Control Facility
- Existing Stormwater Pond
- Existing Berm
- Progressive Waste Property Line

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?



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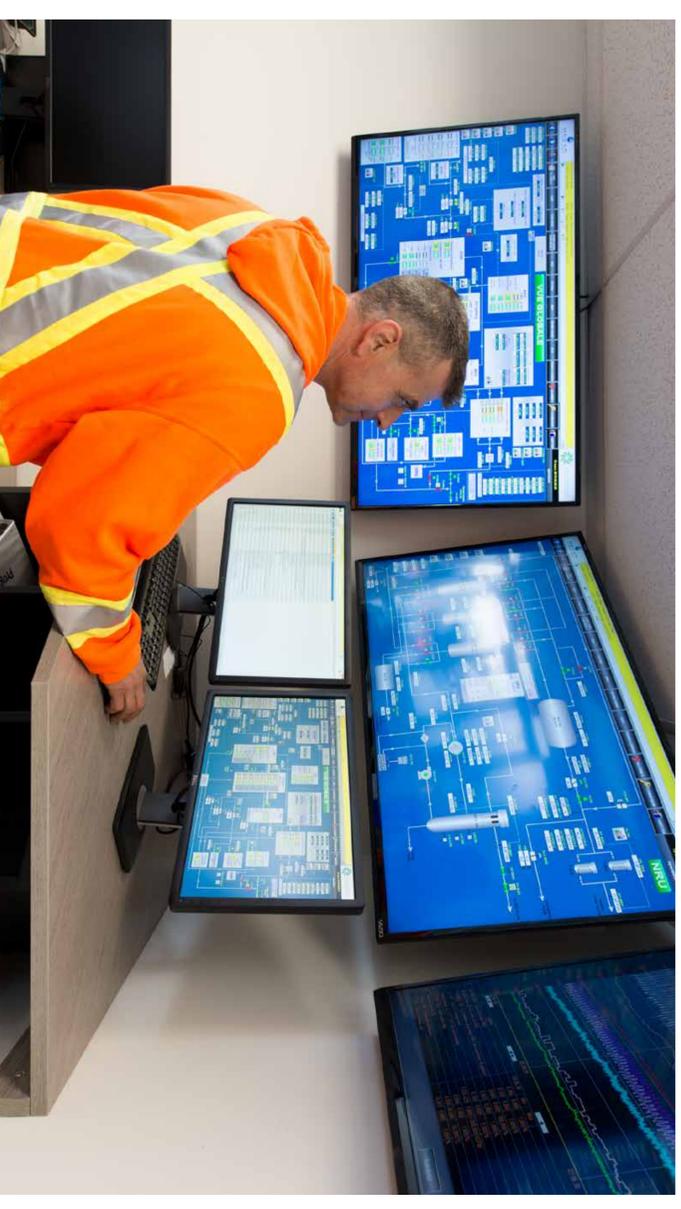
Our Future Plans

Progressive Waste Solutions is proposing to expand the life of the Ridge Landfill for an additional 20 years following stringent Ontario Ministry of Environment and Climate Change landfill regulations.

The annual permitted disposal capacity will not increase. Progressive Waste Solutions will continue to accept industrial and commercial waste from across the province and will seek to expand its service area for residential waste across Ontario.

The expansion would also include a public drop-off depot to allow residents to divert materials which are not being collected in the current residential recycling program as well as the construction of a new community activity centre.

As a separate undertaking, Progressive Waste Solutions plans to develop a biogas facility to convert landfill gas into pipeline quality natural gas which would be the largest biogas facility in Ontario and one of the largest in North America. We already operate a similar biogas facility at our Lachenaie Landfill in Quebec.



Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

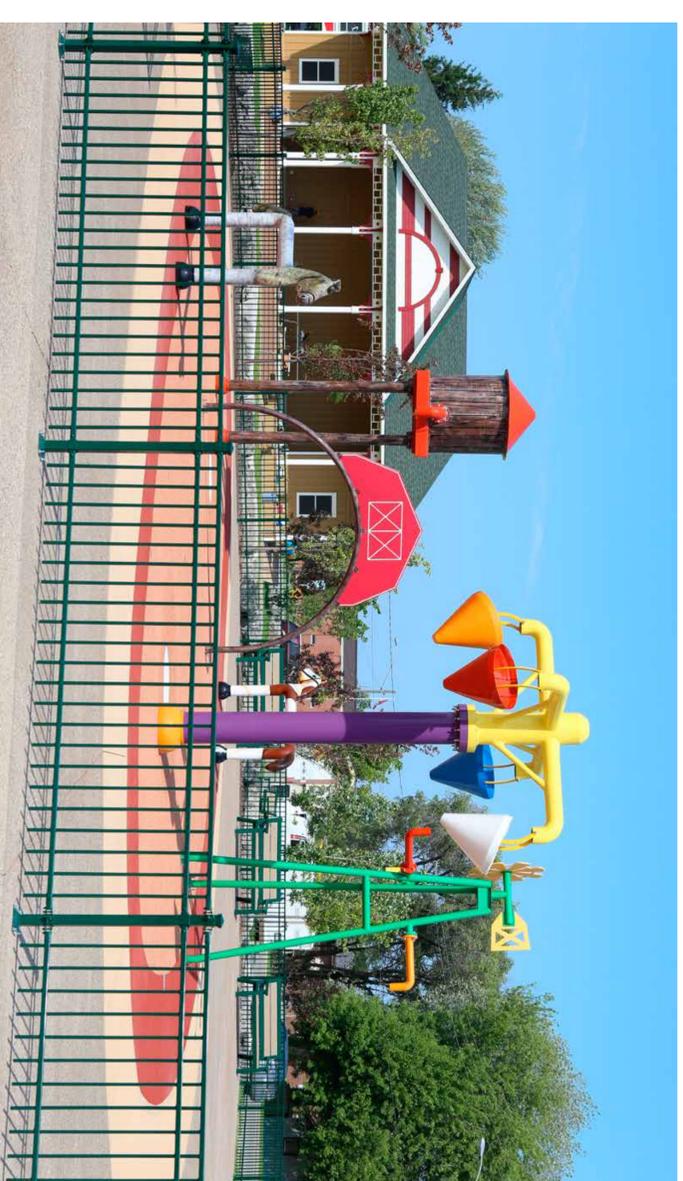


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Waste Solutions

A Partner in the Community

The Ridge Landfill contributes approximately \$13 million directly and indirectly to the community. Of that:

- Approximately \$9 million is spent annually on salaries, construction and road maintenance, goods and services purchased, taxes, etc.
- An annual royalty payment to the Municipality of Chatham-Kent based on the volume of material that comes into our facility from outside Chatham-Kent. In 2015, this amounted to \$2.3 million; and since 2005 we have contributed over \$15.9 million to the Municipality.
- Significant financial contributions are made to the Ridge Landfill Trust based on the volume of waste the landfill receives each year. In 2015, the Ridge contributed approximately \$1.1 million. These monies are to benefit the local community such as the building of the Community Centre Park and splash pad (see photos at right), a new seniors' centre and youth drop in centre in downtown Blenheim.



Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

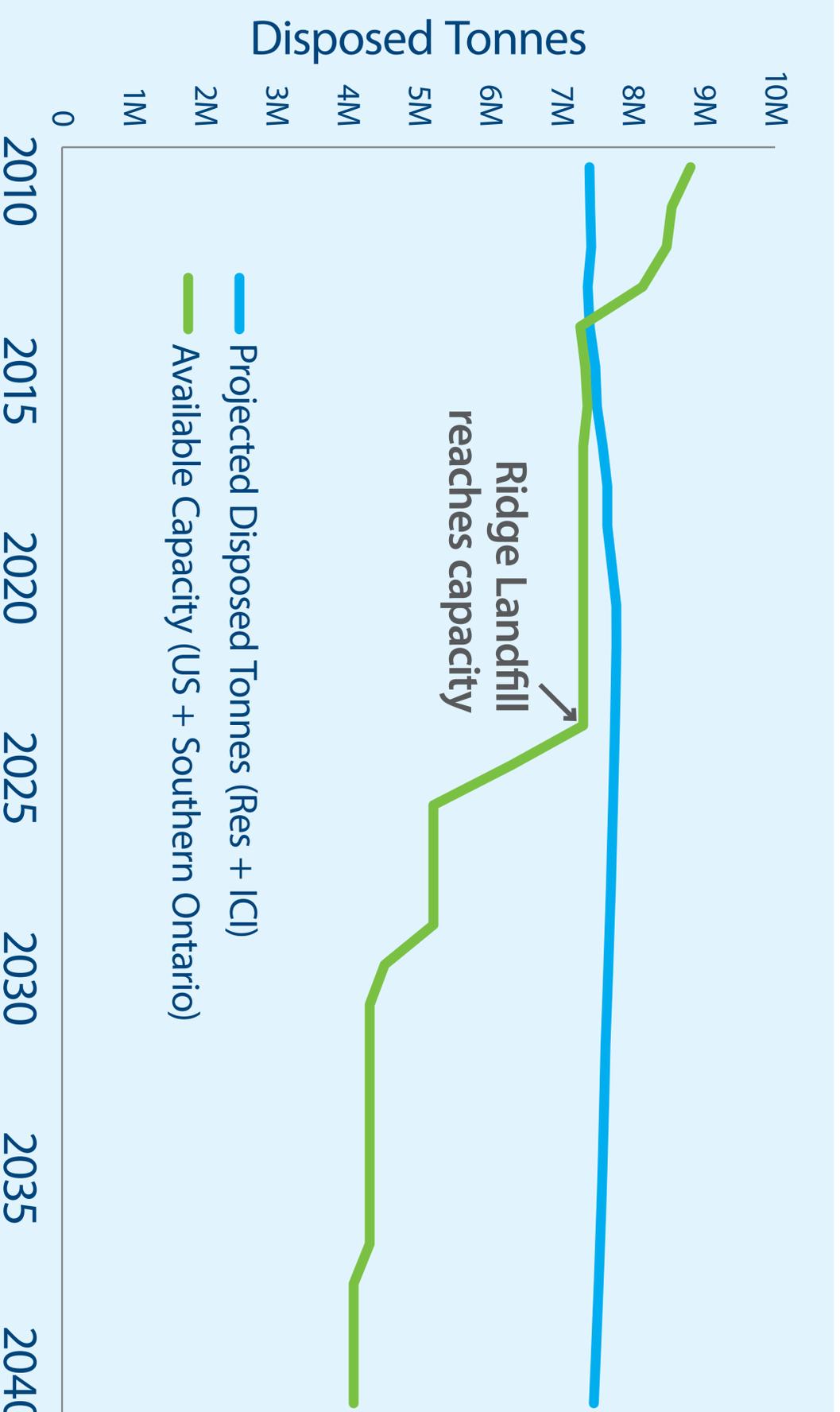


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Waste Solutions

Need for More Capacity

Despite increased waste diversion, over seven million tonnes of residual waste is disposed of annually in Ontario and the U.S. With provincial population growth, this need is expected to continue.

With the expected closure of existing Ontario landfill sites over the next 10 years (which would include the Ridge Landfill reaching capacity in 2022), it is estimated that there will be a need for new or expanded waste disposal facilities in Southern Ontario.



Note: The graph illustrates projected tonnage assuming a moderate increase in waste diversion in both the residential (Res) and Industrial, Commercial and Institutional (ICI) sectors (e.g. residential diversion increase to 55% and ICI diversion increase to 35%).

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?



Progressive
Waste Solutions

Alternatives to Expansion

Progressive Waste Solutions considered alternative ways to continue to provide waste disposal services:

Do nothing

Involves closing the Ridge Landfill. This alternative does not provide capacity to meet the long term waste disposal needs for Chatham-Kent and Southern Ontario.

Close Ridge Landfill and construct a new landfill

Involves finding a new landfill site location. Past work demonstrates that there is no location for a landfill site in Southern Ontario that is equivalent to or better than the Ridge. Progressive Waste Solutions does not own any other property suitable for landfill in Southern Ontario.

Expand Ridge Landfill

Involves expanding the Ridge Landfill. This alternative provides capacity to meet the long term disposal needs but does not result in any additional diversion of materials from disposal.

Expand the Ridge Landfill with waste diversion

Involves creating more long-term disposal capacity for local and Southern Ontario needs. Additional waste diversion processing capacity could be added at the facility and/or elsewhere.

Preferred Alternative

What will the EA Look At?



Progressive
Waste Solutions

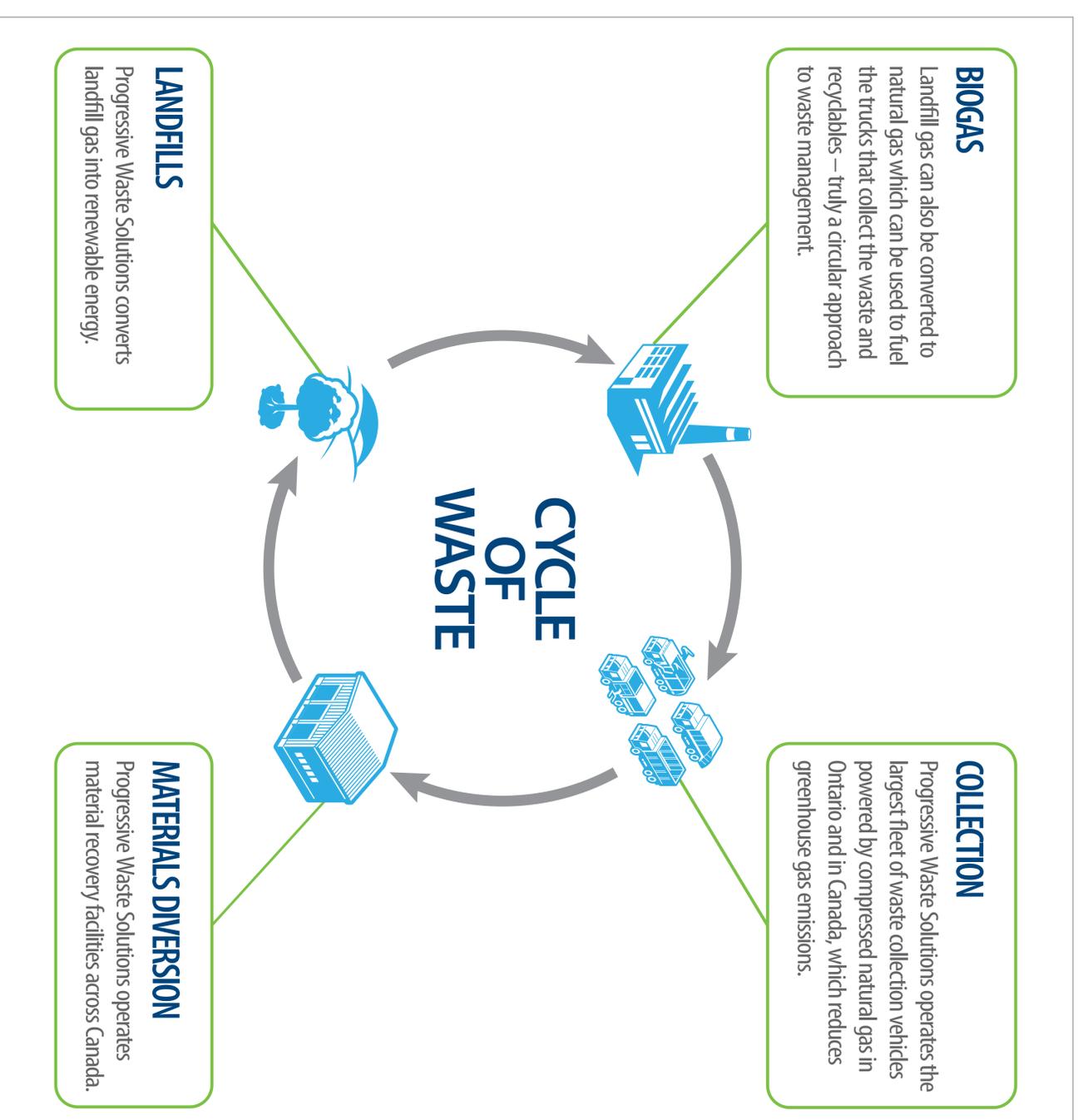
Expand the Landfill with Waste Diversion

Progressive Waste Solutions will consider laterally expanding the current landfill and/or bring the height of the old landfill to same elevation as current landfill and/or mining the old landfill.

As part of the assessment, Progressive Waste Solutions will also consider the recovery of additional resources through enhanced diversion opportunities such as an expanded public drop-off area at the Ridge Landfill to divert additional recyclable materials (e.g. household hazardous, electronic wastes, etc.) and other recyclable materials that may be designated by the Province of Ontario.

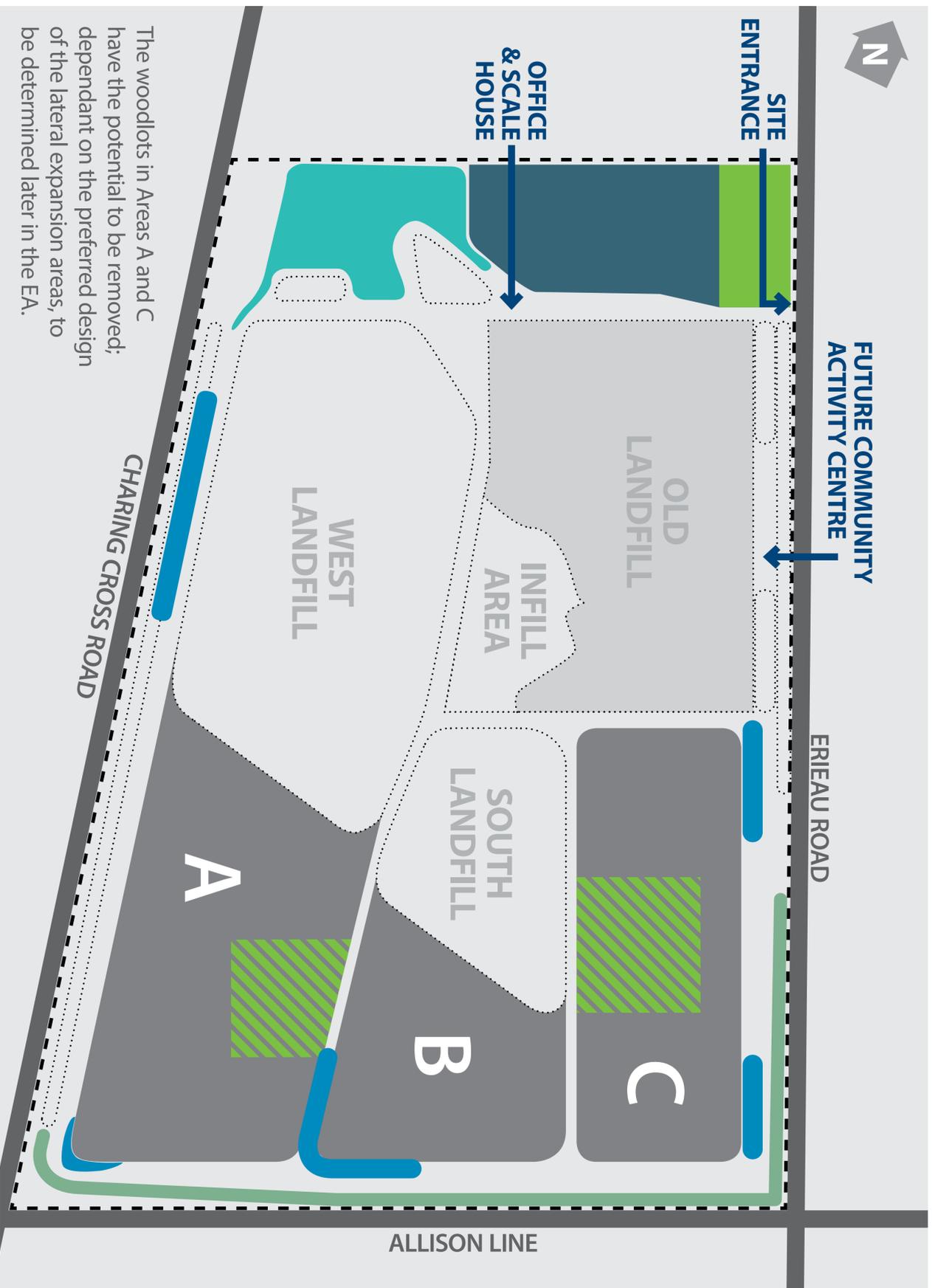
Additional waste diversion opportunities will be identified by the Waste-Free Ontario Act and that are technically feasible and economically viable for Progressive Waste Solutions.

Should additional resource recovery occur at the Ridge Landfill there is the potential for additional traffic to the site and associated nuisance effects as well as potential nuisance effects from on-site processing activities (e.g. noise, dust, and odour).



What will the EA Look At?

The Proposed Expansion



The woodlots in Areas A and C have the potential to be removed; dependant on the preferred design of the lateral expansion areas, to be determined later in the EA.

-  Potential Lateral Expansion Areas
-  Potential Vertical Expansion/
Landfill Mining Area
-  Existing Woodlot Area
-  Potential Flood Control/
Woodlot Compensation Area
-  Existing Flood Control Facility
-  Proposed Stormwater Pond
-  Proposed Berm
-  Progressive Waste Property Line

What will the EA Look At?



EA Milestones and Consultation Plan

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Waste Solutions

Notice of EA
Commencement



Confirmation of Alternative Methods



PWS will develop the expansion alternatives, resource recovery alternatives, and confirm the evaluation criteria through input from the following activities:

- Neighbour & Stakeholder Meetings
- Open House
- Newsletter
- Website
- Ridge Landfill Liaison Committee meetings
- Agency Consultation
- Indigenous Community Engagement
- Evaluation Criteria Workshop

Evaluation of Alternative Methods



PWS will evaluate the alternatives select the preferred site expansion and resource recovery alternative through input from the following activities:

- Neighbour & Stakeholder Meetings
- Open House
- Newsletter
- Website
- Ridge Landfill Liaison Committee meetings
- Agency Consultation
- Indigenous Community Engagement

Assessment of Potential Effects & Development of Mitigation



PWS will identify the preferred alternative and develop mitigation programs to eliminate or reduce negative effects through input from the following activities:

- Neighbour & Stakeholder Meetings
- Open House
- Newsletter
- Website
- Ridge Landfill Liaison Committee meetings
- Agency Consultation
- Indigenous Community Engagement

Notice of Draft
EA Review



A draft and final EA document will be prepared for public and agency review.

Submission of Final
EA Submission



MOECC will make a decision based on the final submitted EA.

What will the EA Look At?

Study Areas for the EA

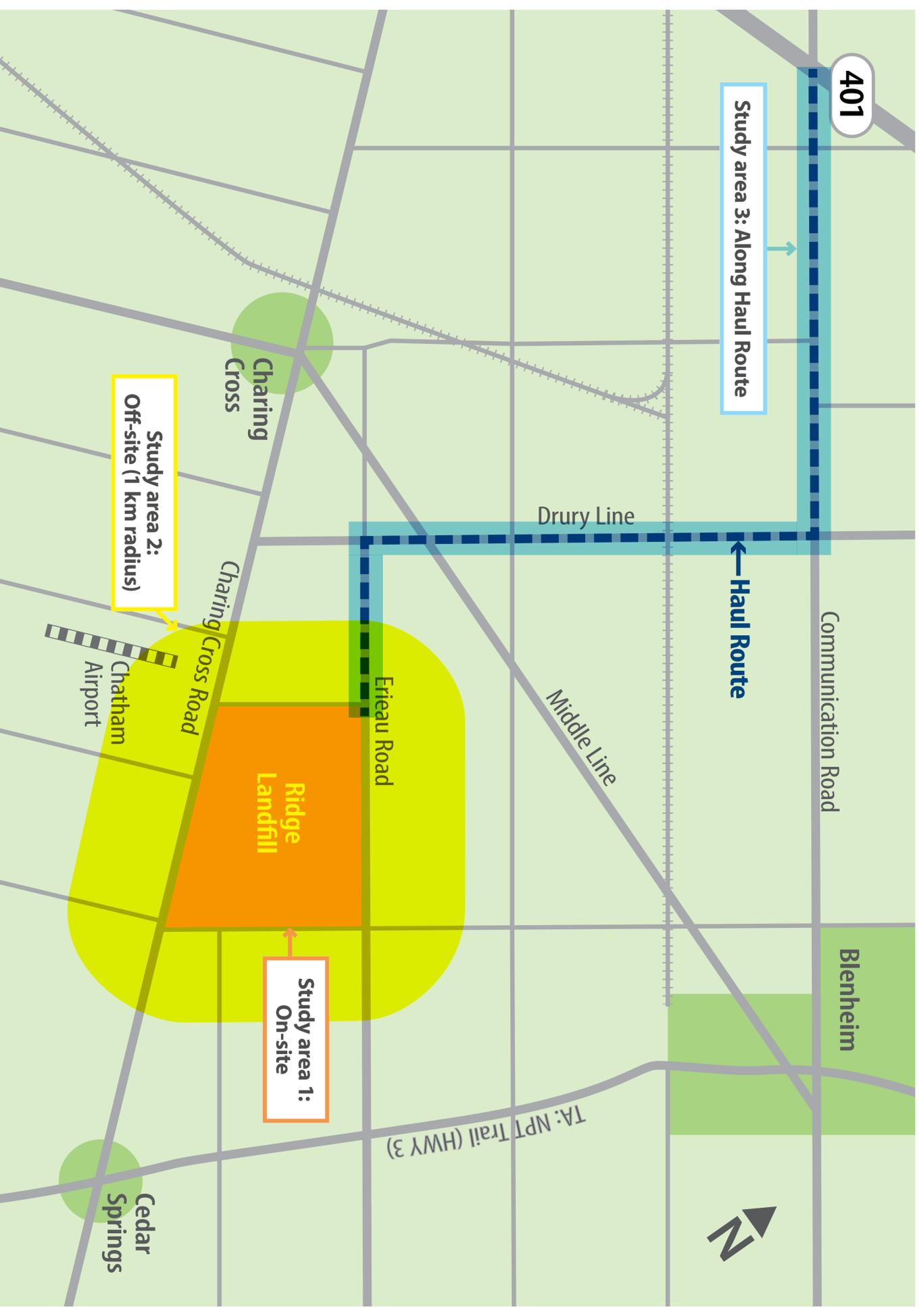


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PWS has identified three study areas to:

- confirm existing conditions
- create a common study area to evaluate site expansion alternatives, and
- identify and assess potential impacts of the preferred expansion alternative and establish mitigation to minimize effects.

Map of study areas ▶



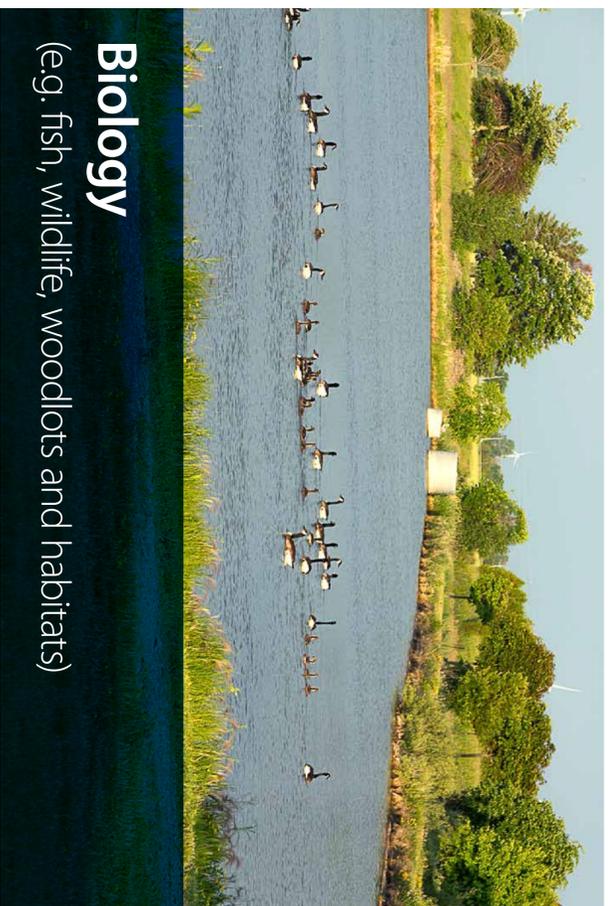
What will the EA Look At?



Existing Site Conditions & Future EA Studies

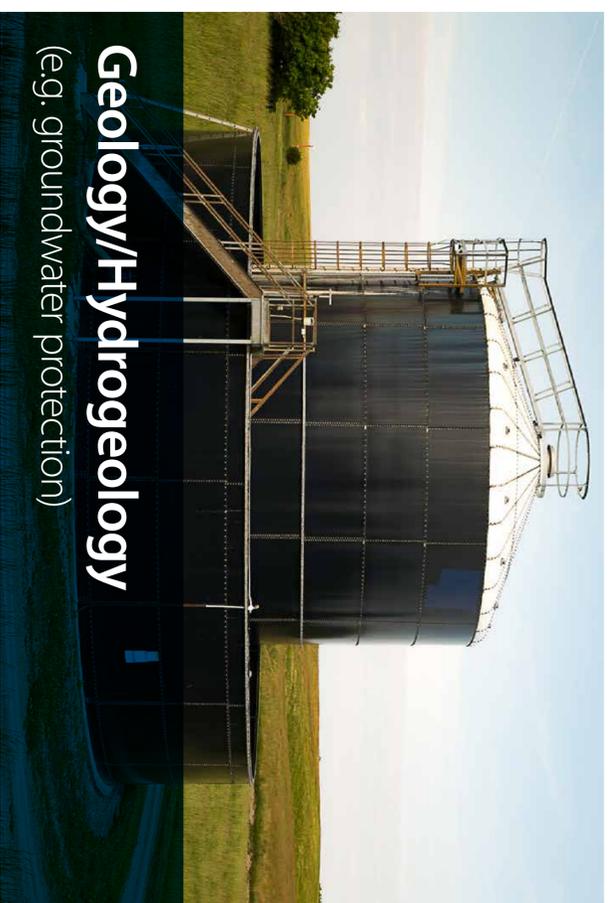
Progressive Waste Solutions

In the EA, PWS will finalize criteria, in consultation with the community, to determine the potential for impacts on the following:



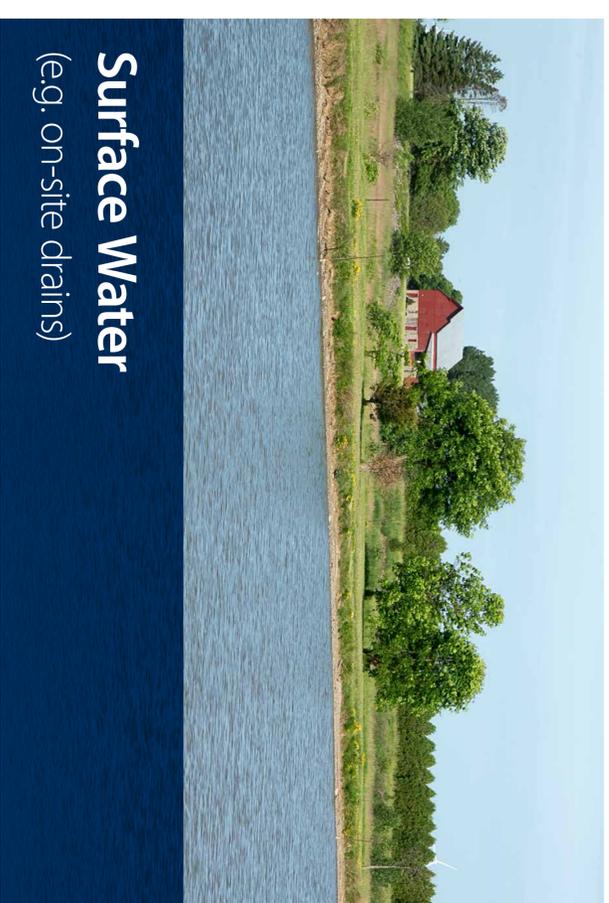
Biology

(e.g. fish, wildlife, woodlots and habitats)



Geology/Hydrogeology

(e.g. groundwater protection)



Surface Water

(e.g. on-site drains)



Atmospheric

(e.g. air, noise, dust and odour)



Agriculture

(e.g. disruption to local farm operations)



Land Use

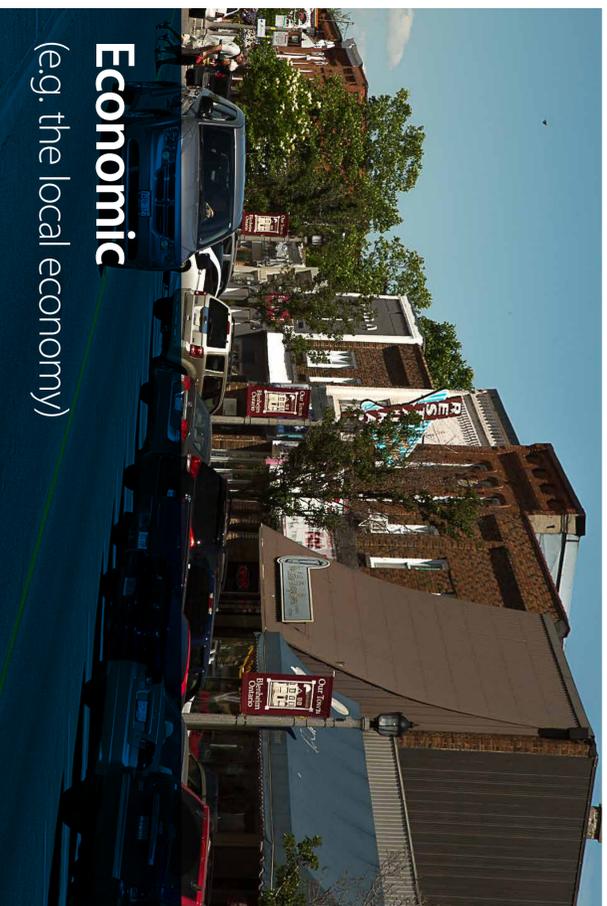
(e.g. on other land uses)

What will the EA Look At?

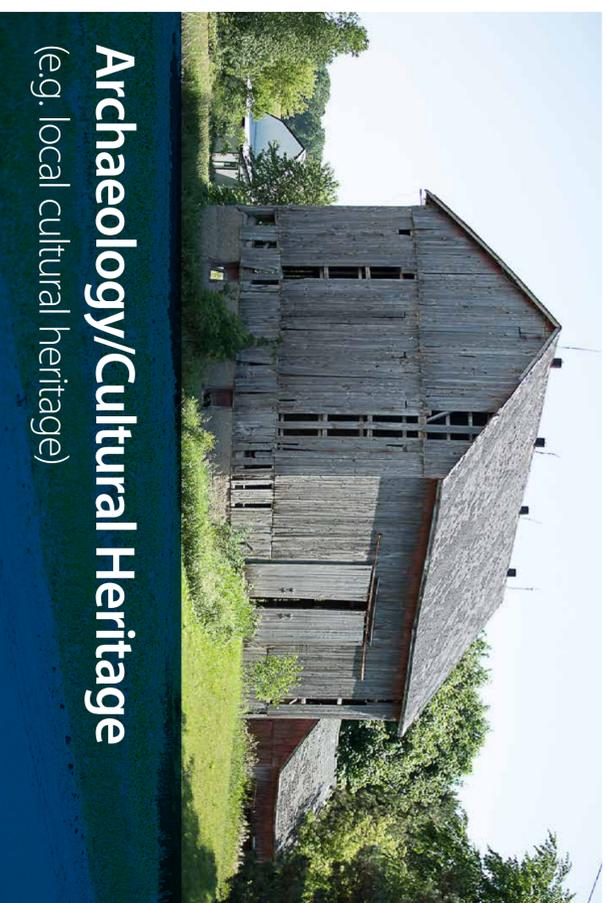
Existing Site Conditions & Future EA Studies



In the EA, PWS will finalize criteria, in consultation with the community, to determine the potential for impacts on the following:



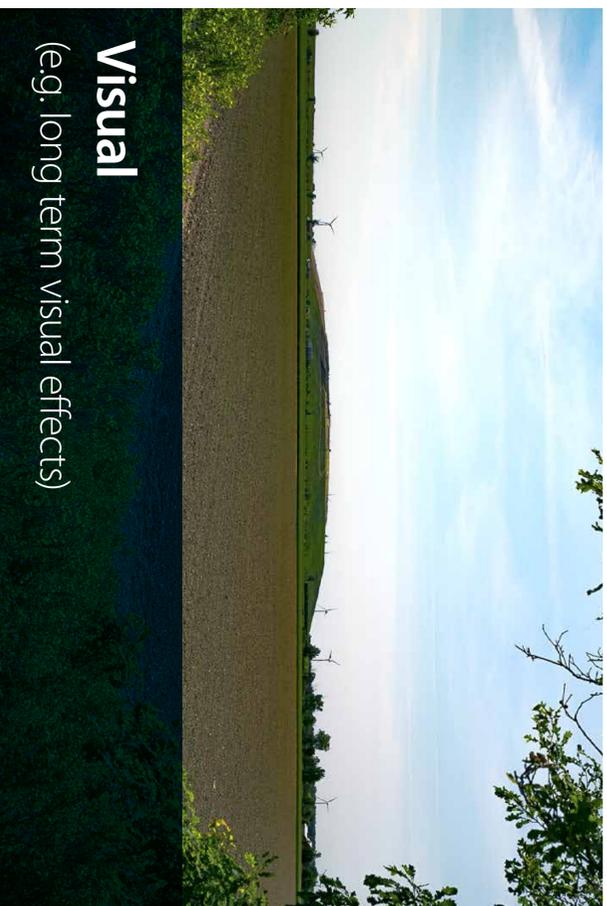
Economic
(e.g. the local economy)



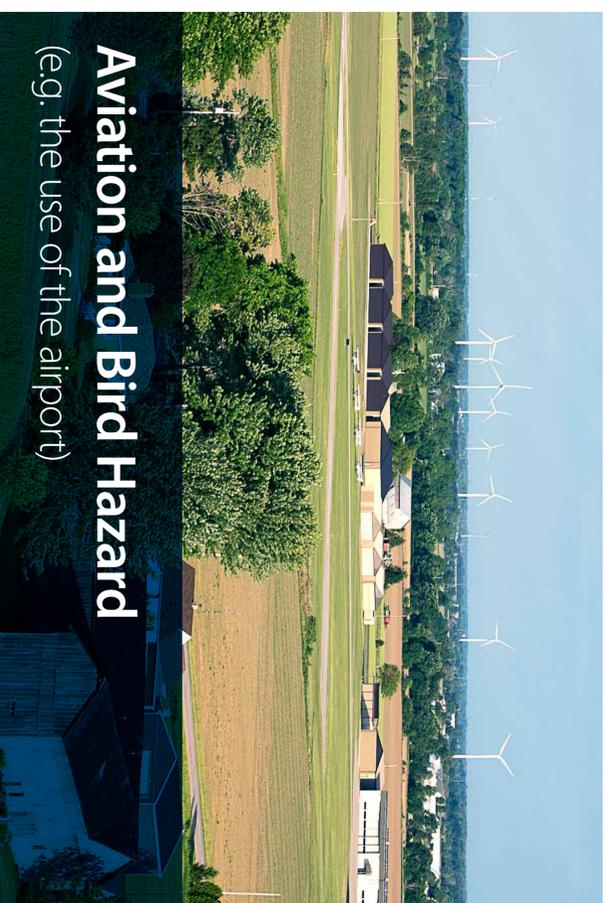
Archaeology/Cultural Heritage
(e.g. local cultural heritage)



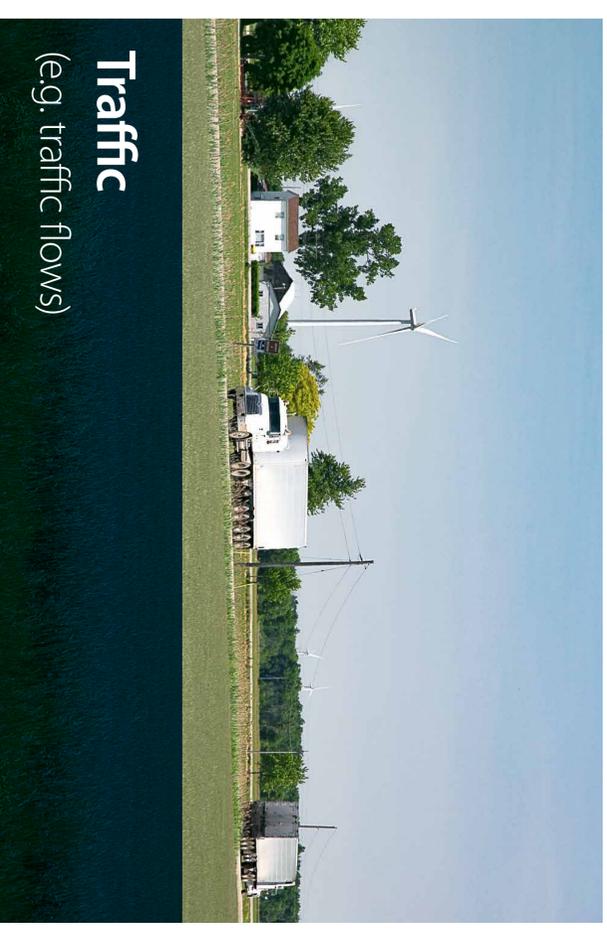
Social
(e.g. neighbours and residents)



Visual
(e.g. long term visual effects)



Aviation and Bird Hazard
(e.g. the use of the airport)



Traffic
(e.g. traffic flows)

More detailed information is contained in the draft Terms of Reference at www.ridgelandfill.com

Environmental Management Today and into the Future

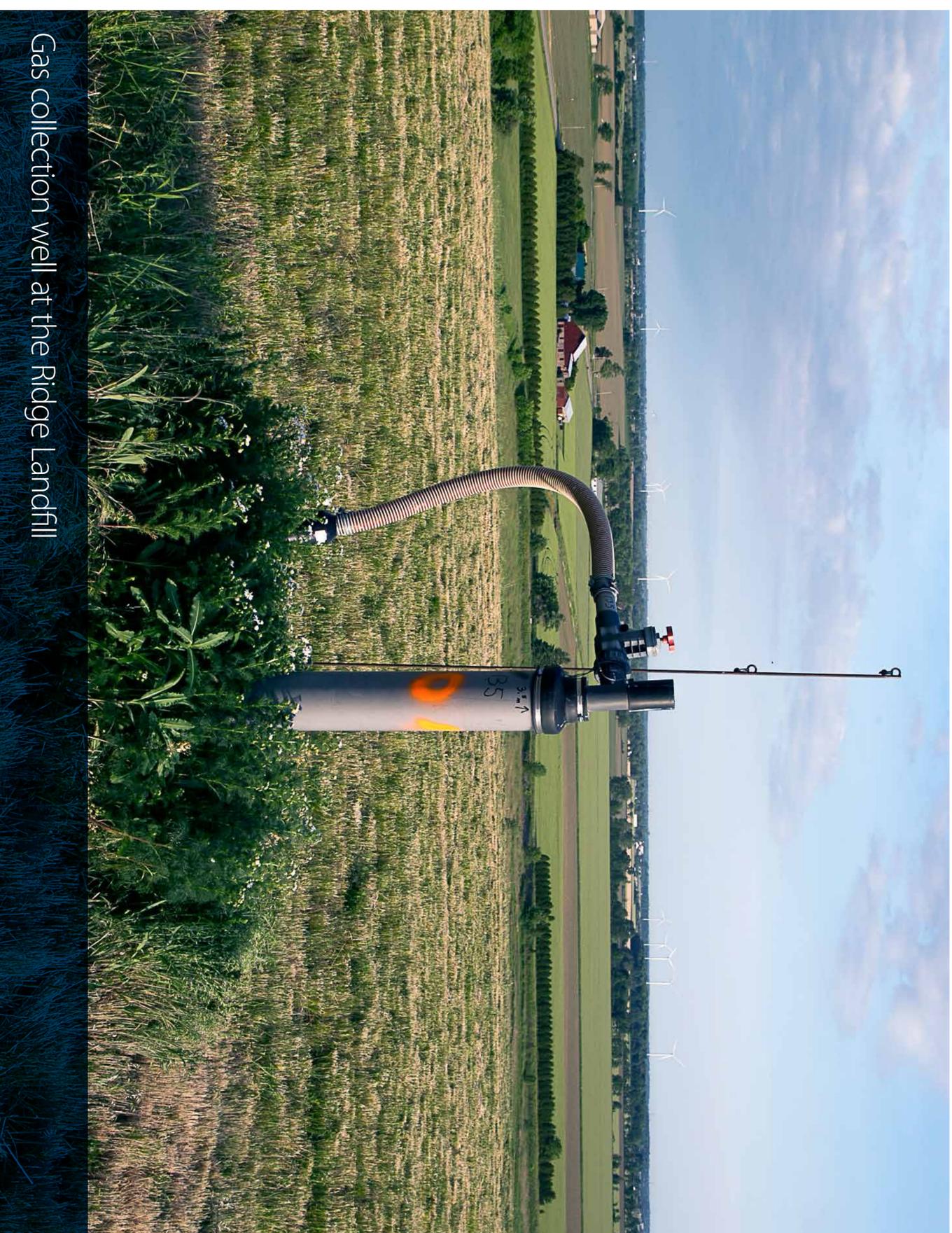


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Environmental Management System

We have an excellent environmental record at the landfill site.

- We have an environmental management system in place for the landfill that follows stringent Ministry of Environment and Climate Change regulations.
- We continually review and update our operational programs in and around the landfill to maintain environmental protection and prevention of litter, birds, odour, noise, dust and traffic from impacting our neighbours and the community.
- The EA will define any additional measures required to ensure the environmental integrity of the site going forward.



Gas collection well at the Ridge Landfill

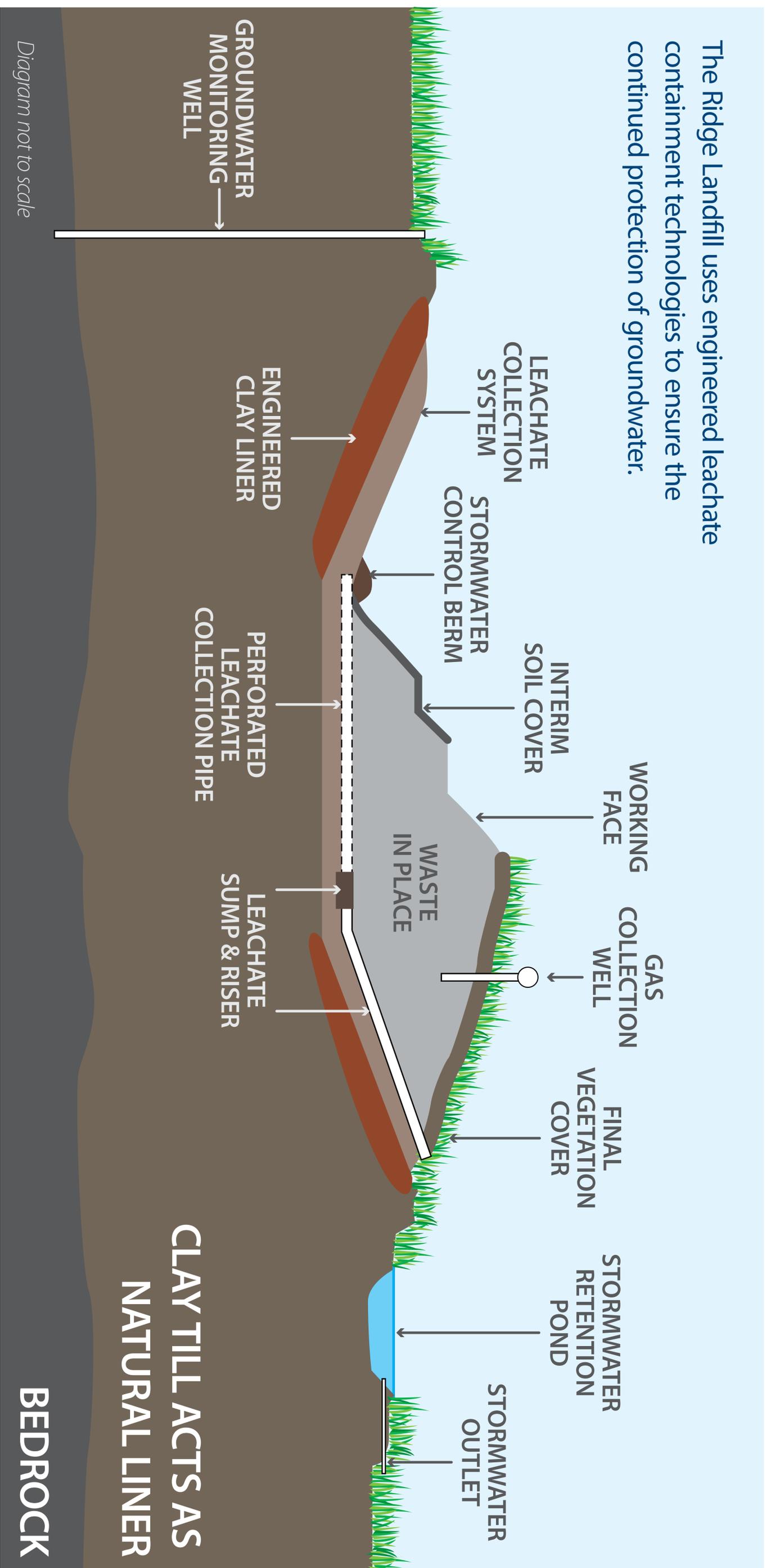
Environmental Management Today and into the Future



An Environmentally Engineered Landfill

Progressive
Waste Solutions

The Ridge Landfill uses engineered leachate containment technologies to ensure the continued protection of groundwater.



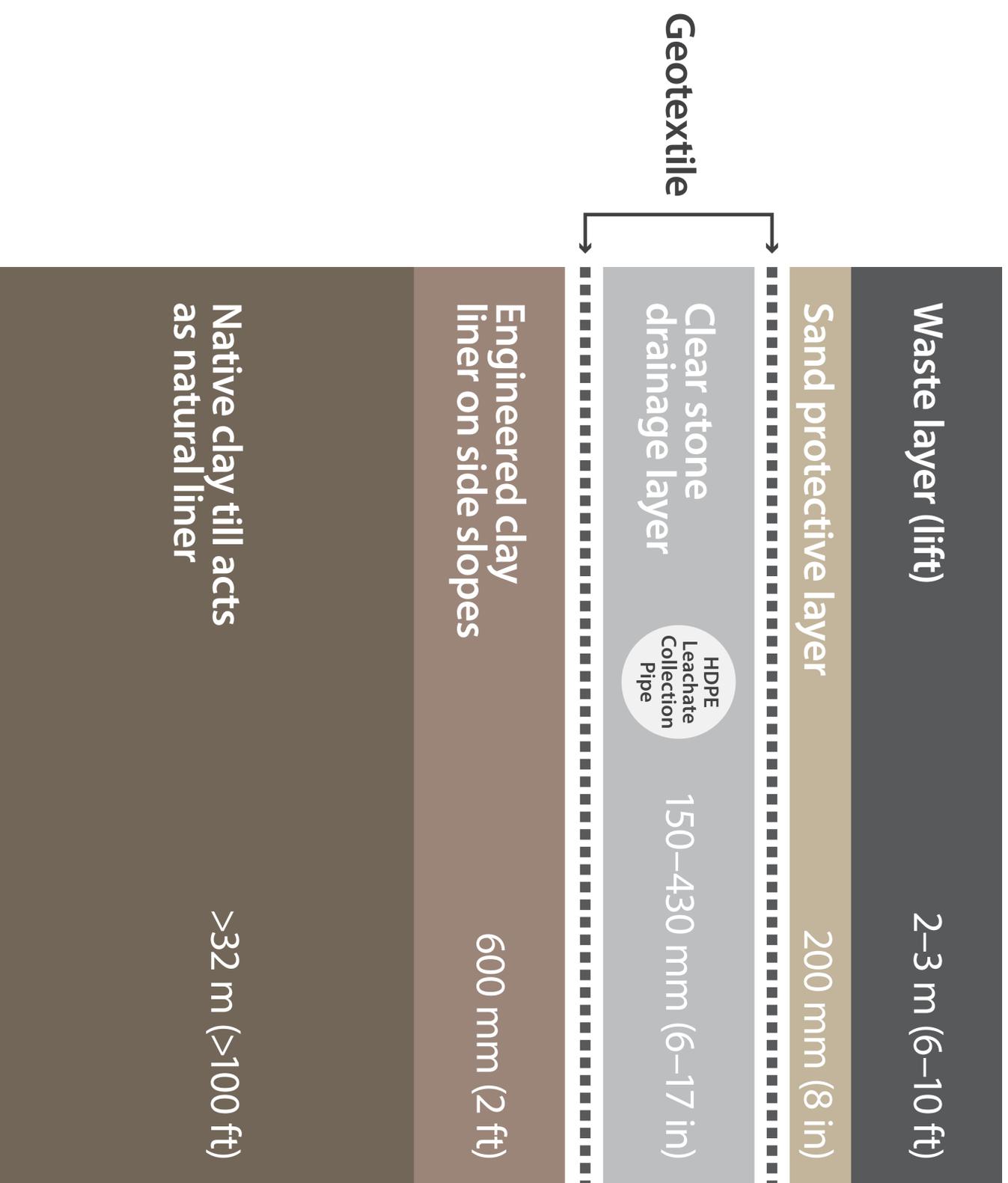
More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

Environmental Management Today and into the Future



Progressive
Waste Solutions

Leachate Collection System



Leachate: Water (either from rain or decomposition of waste) that percolates through the waste.

Leachate Collection System: A system of stone drainage material and pipes and that collects the leachate at the bottom of the landfill.

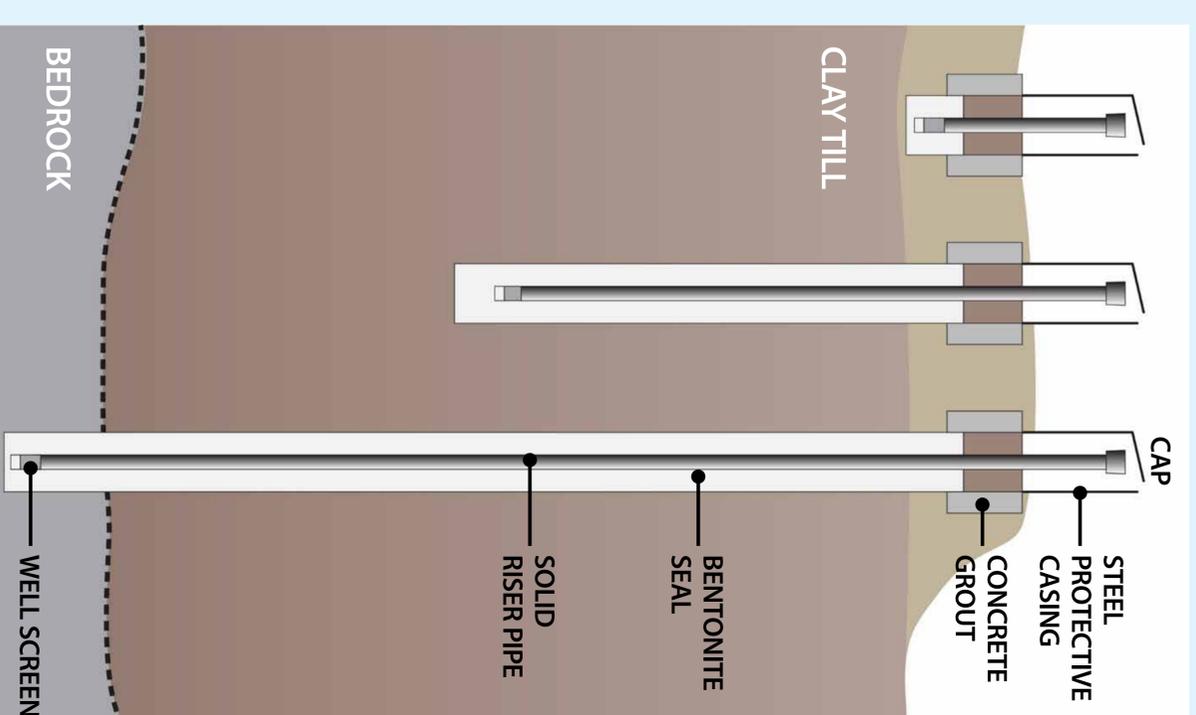
Liner: A barrier layer beneath the leachate collection system to prevent leachate from entering the groundwater.



Groundwater Monitoring System

- The Ridge Landfill has an environmental management system that monitors all aspects of the landfill including groundwater in and around the landfill.
- Annual monitoring of ground and surface water is conducted by a third party providing assurances the environment is being protected.
- There have been no impacts to the groundwater identified.

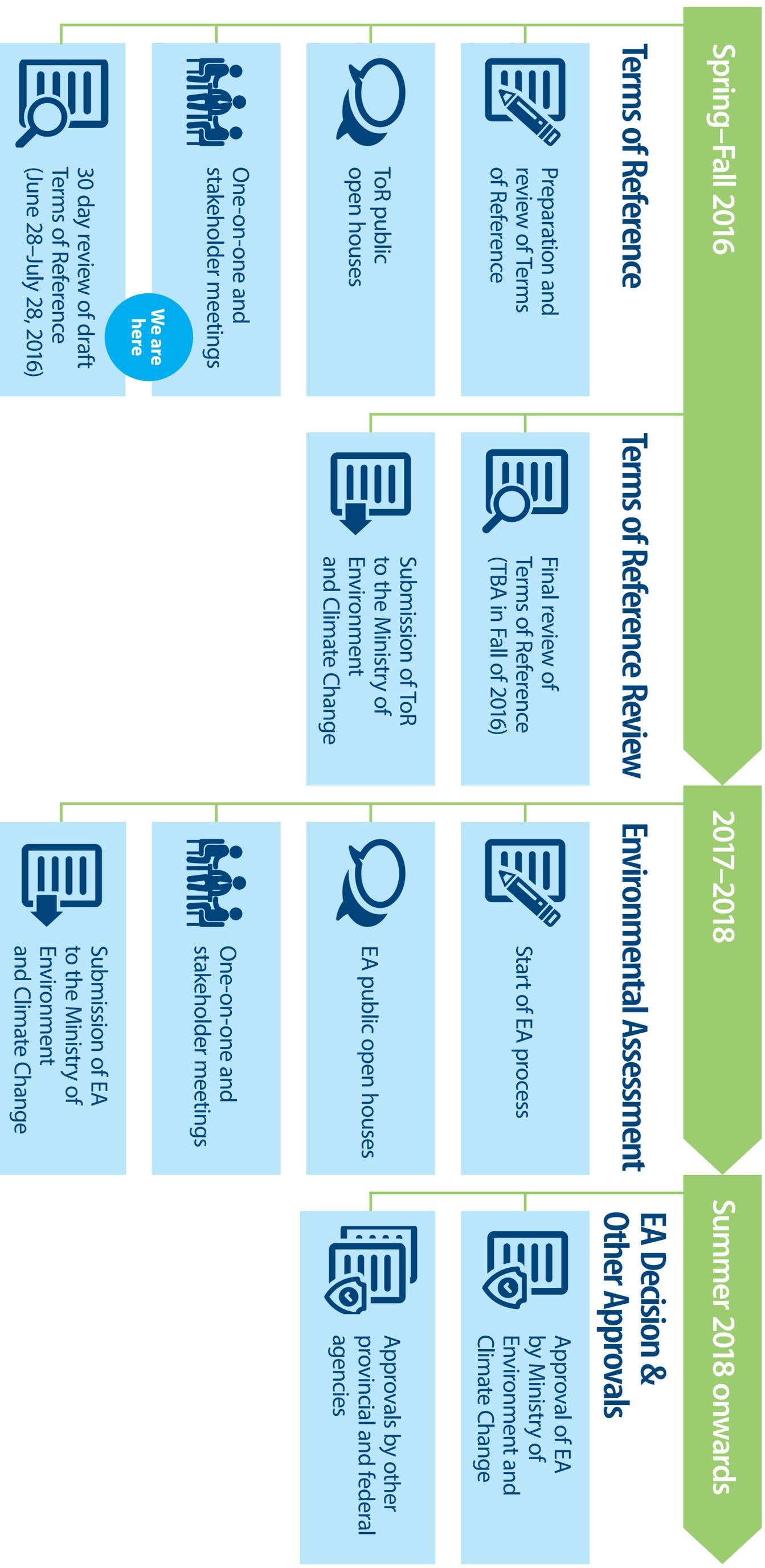
Typical Groundwater Monitoring Wells



Wells are placed strategically around the site to monitor groundwater at various depths.



Environmental Assessment Process

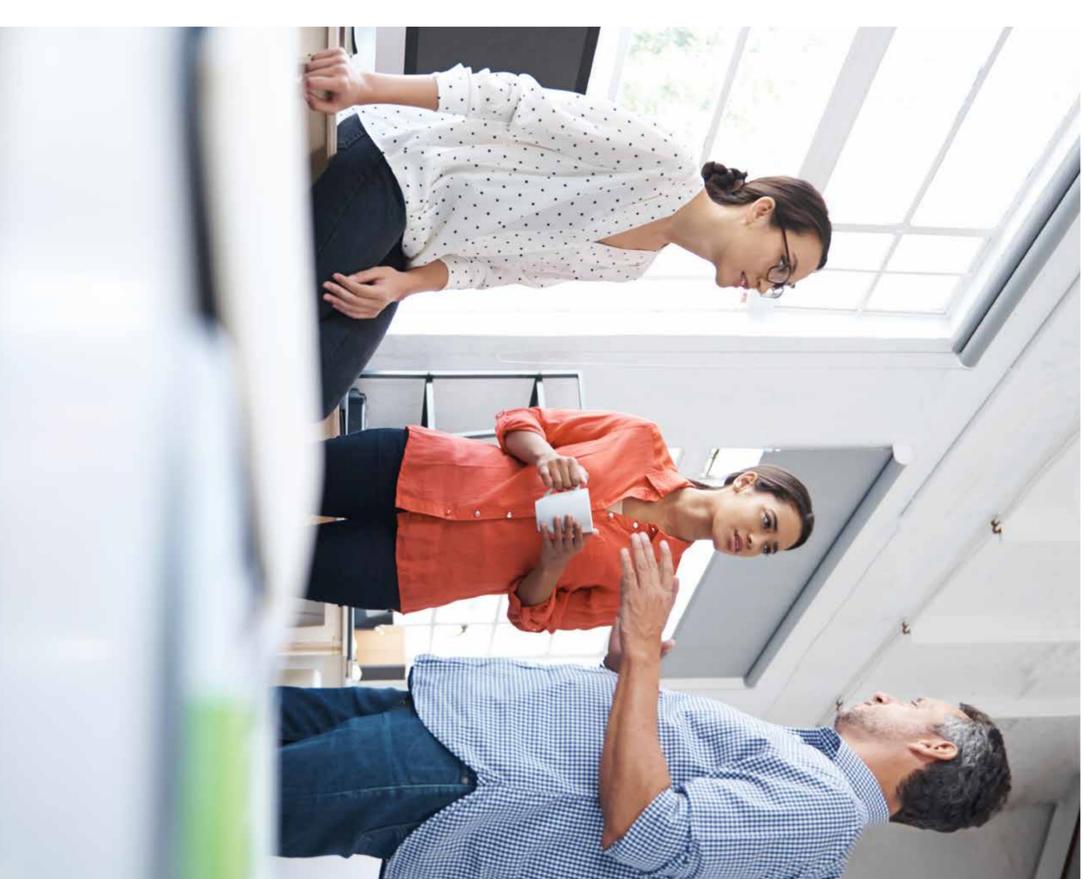




What We've Heard So Far

Progressive Waste Solutions has received comments and questions from local residents, the public and agencies and other stakeholders through the consultation process to date. The following summarizes comments raised by the public and other stakeholders:

- Requests for support and funding from the Ridge Landfill Trust;
- Concerns that the landfill might begin to accept residential waste from the City of Toronto thus increasing the potential traffic and nuisance effects associated with the landfill;
- Sentiment that the community has been host to the landfill for a long time and that the land should be returned to agricultural production;
- Support for the use of landfill gas as a resource;
- Concerns about odour attributed to the landfill;
- Interest in compensation and property value protection;
- Sentiment that the landfill negatively impacts people's enjoyment of their property;
- Concern about potential impacts to groundwater;
- Concerns about truck traffic and potential influence on local travel; and
- Support for increased diversion of waste.



Consultation and Next Steps

Stay Involved



Progressive
Waste Solutions

During the Terms of Reference and continuing through the EA, consultation with the community will include:

Public Open Houses & Workshops

To exchange information and hear community concerns and questions.



Community Newsletters

To provide news and information about the site and proposed expansion project.



Stakeholder Meetings

To provide opportunity for one-on-one meetings with Progressive Waste Solutions staff to discuss the proposed expansion project.



Consultation and Next Steps

Thank you



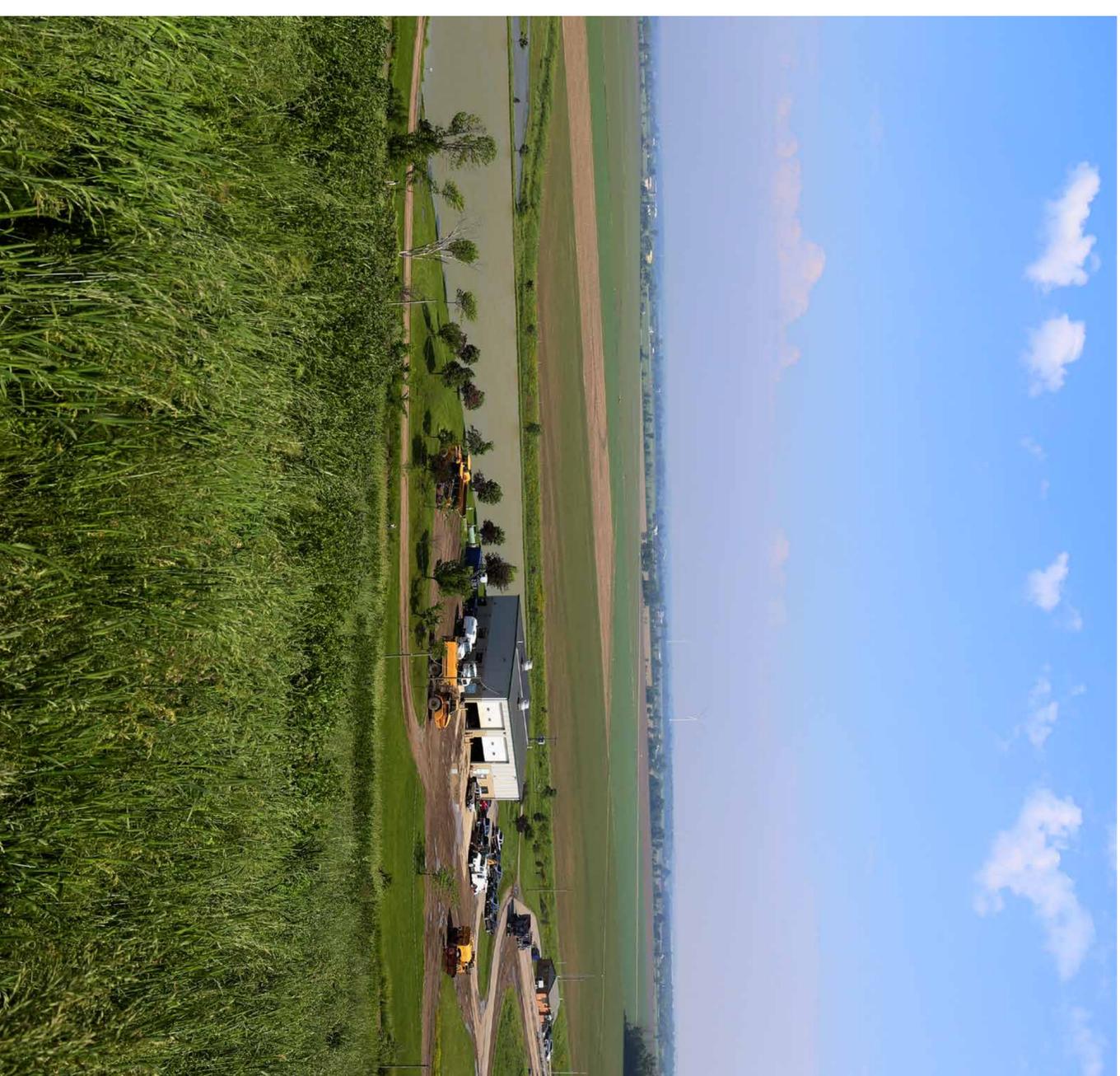
Progressive
Waste Solutions

We want to hear from you!

Your issues or concerns are important to us, and we want to know about them.

We want to ensure that your questions are addressed and that approaches to their resolution are developed and understood.

You can leave written questions or comments you have with us today, or send them to us anytime at: ridgelandfill.com



FREQUENTLY ASKED QUESTIONS

Progressive Waste Solutions (PWS) has received comments and questions from local residents, the public, government agencies and other stakeholders through the public consultation process to date on the proposed expansion. The following are some of the comments raised to date. A more detailed summary of questions and comments can be found in the draft Terms of Reference Record of Consultation at www.ridgelandfill.com.

Comments & Concerns Received	Consideration of Comments & Concerns
How do organizations request support/funding from the Ridge Landfill Trust?	All requests for funding should be directed to the Ridge Landfill Community Trust at rlctrust@ciaccess.com
Will the proposed expansion lead PWS to accept residential waste from the City of Toronto thus increasing the potential traffic and nuisance effects associated with the landfill?	The City of Toronto owns and operates the Greenlane Landfill located west of London. PWS is not pursuing residential waste from the City of Toronto.
The community has been the host to the landfill for a long time. Shouldn't the land be returned to agricultural production?	Much of the Ridge Landfill property is already recognized in the Chatham Kent Official Plan as a waste management site. During the EA an agricultural assessment will be completed to determine the potential for the proposed expansion to impact farmland and farming.
Shouldn't the Ridge Landfill use the landfill gas its flaring as a resource?	PWS has plans for the development of a biogas facility at the Ridge Landfill which will convert landfill gas into pipeline quality natural gas. PWS owns and operates a similar facility in Quebec.
I'm concerned about odours from the landfill?	The Ridge Landfill has an odour management system in place that includes: the daily covering of waste to mitigate odours; a landfill gas collection system which collects and flares gas and; a portable misting system that can be moved around the landfill to suppress odours. PWS also has an odour complaint process as part of a broader nuisance compliant process that people can contact PWS if they believe they smell odours from the landfill.
Does PWS provide compensation and property value protection?	PWS provides compensation to residents living in proximity to the landfill and along the haul route based on the level of impact. Once the Environmental Assessment (EA) is completed, the company will review the existing compensation agreements. Property value protection are valid and legitimate concerns for any landowner and PWS will re-assess its program based on the results of the EA for the proposed expansion.

<p>Will the proposed expansion negatively impact people's enjoyment of their property?</p>	<p>One component of the EA will be a social impact assessment. This will look at the potential for the expansion to negatively impact local residents and change their enjoyment of their property.</p>
<p>What are the potential impacts to groundwater?</p>	<p>The Ridge Landfill has an environmental management system in place that follows stringent Ministry of Environment and Climate Change regulations (MOECC). Annual independent groundwater and surface water monitoring is undertaken with reports submitted to the MOECC.</p>
<p>Will truck traffic increase due to the proposed expansion and how will it influence local travel?</p>	<p>With the proposed expansion, PWS is not seeking to increase the amount of the waste it will accept at the landfill, thus the level of truck traffic will not change.</p>
<p>Will there be increased diversion of waste at the Ridge Landfill with the proposed expansion?</p>	<p>PWS works with its customers to assist them increase the quantity of waste that is diverted so that it is disposing only residual waste at the landfill. Waste materials being received at the landfill are continually monitored and for those materials considered recoverable, PWS discusses with waste generators options to encourage at-source separation and recycling opportunities.</p>
<p>Will the height of the landfill increase with the proposed expansion?</p>	<p>The height of the landfill is restricted to 241.3 metres above sea level due to the proximity of the site to the Chatham Airport. The proposed expansion will stay within the maximum height allowed.</p>
<p>Flooding is a problem in the spring. Where will all the snow melt go if the site is expanded?</p>	<p>Currently there is a flood control facility at the site to manage spring melt conditions and the EA will look at the potential for the proposed expansion to impact drainage.</p>
<p>What is the potential for giving land back to the community at the site when the landfill is eventually closed?</p>	<p>There are situations where lands associated with closed landfills have been repurposed to provide beneficial use to the community. This will be considered during the preparation of the closure plan.</p>

Proposed Ridge Landfill Expansion

June 28, 2016 Public Open House



Comment Form

Your input is important to Progressive Waste Solutions. Please take a moment to fill out this comment form.

1. **How did you hear about this Open House?** (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: _____

2. **Were you provided with enough information at this Open House to understand the project?**

Yes

Somewhat

No

Please Explain why: _____

3. The Environmental Assessment (EA) will consider the potential for impacts on the following: Biology, Geology, Surface Water, Air/Noise/Odour, Agriculture, Land Use, Economic, Archeology/Cultural Heritage, Social, Visual, Aviation & Bird Hazard, Traffic. **Please identify which of these are most important to you and explain why.**

4. **Please provide any comments on the proposed scope of the Ridge Landfill Expansion EA.** *(please use the other side of this page if needed)*

Thank you for your input.

Your completed form can be mailed/emailed to:

Cathy Smith, Project Manager
Progressive Waste Solutions Canada Inc.
Email: cathy.smith@progressivewaste.com
20262 Erieau Road, PO Box 1871, Blenheim,
Ontario, NOP 1A0

Appendix E

Public/Stakeholder Meetings and Comments

MEETING MINUTES

PROJECT: CLC Pre-Consultation Meeting for the Ridge Landfill

DATE/TIME: April 5, 2016, 4:00 pm to 5:00 pm

LOCATION: Gable-Rees Rotary Pool, 66 Regent St., Chatham-Kent, ON

PRESENT: Cathy Smith (PWS), Brian Forrestal (PWS), Tim Kozlof (PWS), Jim Hawryluk (CLC), Frank Vercooteren (CLC), Trevor Thompson (CLC), John Vermey (CLC), Karen Herman (CLC), Megan Bellamy (Dillon Consulting)

Introduction

- Cathy will be the main contact person for the project; CLC members can also call Tim. Cathy can be contacted at 519-358-2860 or cathy.smith@progressivewaste.com
- PWS confirmed the purchase of Don Thompson's property.

Proposed Schedule

- Target public notification around April 20th, 2016
- Open House #1 will occur sometime at the beginning of May.
- **PWS will confirm with CK Council when they will receive a package about the project.**

Ridge Landfill Expansion Project

- The Landfill has been in operation since 1966. PWS wants to expand the lifespan of the landfill another 20 years, up to 2042, at the same annual disposal capacity (1.3M tonnes).
- PWS provided an overview of the site and existing fill areas (Old Landfill, Infill Area, West Landfill and South Landfill). PWS and Dillon provided an overview of the Landfill history and EA options. Several pre-EA studies have been completed to date including a Needs and Opportunities Assessment that considered the projected disposal capacity requirements for Southern Ontario, waste being sent to the USA, and other suitable locations for a new landfill. The study showed that additional waste capacity will be needed in Ontario well past the current capacity date of Ridge (2011) and that the Ridge is a prime landfill location due to the surrounding geology (i.e., natural clay).

- PWS and Dillon provided an overview of four potential “Alternatives to” to be explored in the Terms of Reference and subsequent EA: do nothing (i.e., Ridge closes when it reaches capacity in 2022), close the Ridge in 2022 and open a new landfill in another location, expand the life of the Ridge Landfill by increasing disposal capacity (maintaining annual tonnage), and expand the life of the Ridge Landfill but also include accommodation for resource recovery. Screening criteria were applied to all four alternatives and the fourth alternative is the preliminary preferred alternative.
- The CLC members were content with the idea of expanding the landfill.
- PWS is considering a gas utilization project that would be at the Ridge but separate from the expansion. The proposed gas plant project could be located on the PWS property on the other side of Erieau Road.
- PWS has a landfill gas facility at another site and it is working very well. Clean gas is entering the TransCanada pipeline. The gas facility has not moved forward yet due to a pending decision by MPAC about property taxes.
- Karen (CLC) asked PWS what the gas collection facility would look like and how much land it would require. Tim (PWS) indicated that it may all fit on one acre.
- PWS indicated that they are not expecting much (if any) community opposition to the project, since PWS has been a good local citizen and has a good relationship with the community. Business for PWS will continue as usual despite the recent acquisition by Waste Connections, and the company will continue under the PWS brand for its operations in Canada. The proposed expansion is considered beneficial for the residents of Chatham-Kent.
- Karen (CLC) asked if the meeting with Council to discuss the project will be open to the public or closed. The CLC members that are Councilors for Chatham-Kent indicated that they do not anticipate the municipal council having concerns with the proposed expansion.
- The mapping provided shows multiple cells that would be developed to allow for expansion of the landfill. The ultimate footprint of the expanded landfill will be determined during the EA. Increasing the height of the Old Landfill will be considered as part of the EA. It is currently at a much lower elevation than the newer cell areas.
- The haul route and site entrances would remain the same.
- It was asked if trees could be planted on top of the fill area once a cell is closed to naturalize the space. Brian (PWS) indicated that trees are not typically planted on top of fill areas since the roots may crack the cap on the fill.
- PWS may have to renew the Community Host Agreement with Chatham-Kent. This is to be discussed in greater detail with them.
- Karen (CLC) mentioned that the community may push back on PWS if the intention is for the Ridge to accept waste from all of Ontario. It would strengthen PWS’ relationship in the community if PWS can present the gas plant project as a way to ensure environmental responsibility. This could increase public acceptance of the Ridge taking more residential waste for the purposes of capturing landfill gas.

- CLC members asked about the potential to “give the land back” to the community at the time of site closure. PWS indicated that this has been done in other areas (e.g., landfill area has been reclaimed as a ski hill or park area).

Action Items

Action	Responsible Party
Confirm with Chatham-Kent when Council will receive a package about the proposed expansion.	PWS

Errors and/or Omissions: For any errors and/or omissions, please contact Megan Bellamy (416-229-4647, Ext. 2423) or mbellamy@dillon.ca



MEETING MINUTES

Subject: Chamber of Commerce
 Date and Time: July 27th, 2016
 Location: Chatham-Kent
 Our File: 15-2456

Attendees

Cathy Smith	Progressive Waste Solutions
Gail Bishop	Chamber of Commerce, President

Notes

Item	Discussion	Action By
1.	Cathy Smith walked Gail Bishop, Chamber of Commerce President and CEO, through a hardcopy presentation of the expansion project.	
2.	A key focus of discussion was waste diversion in general and ultimately improved recycling/greater segregation of recyclables in the downtown.	
2.1.1.	Cathy discussed the intent during the EA to collaborate with Chatham-Kent on ways to improve recycling programs and that favourable discussions have been held with Rick Kucera on that matter.	
3.	Discussion was had on the economic significance of the project to local businesses with respect to the alternative of what would likely be a more costly option of shipping waste out of Chatham-Kent (versus the expansion).	
3.1.	Discussed other local economic benefits of supply of goods and services by local businesses to the Ridge Landfill.	
4.	Gail asked what role the Chamber could have, Cathy suggested that the Chamber stay informed and could respond to basic inquiry/discussion as it relates to the expansion and the benefits of the expansion (as described above) and further that the Chamber now was aware of how to contact PWS should any Chamber members have inquiries.	

Errors and/or Omissions

These minutes were prepared by Catherine Allan who should be notified of any errors and/or omissions.



MEETING MINUTES

PROJECT: Ridge Landfill EA – Kent Federation of Agriculture Project
Introduction Meeting

DATE/TIME: August 9, 2016 7:30-8:30pm

LOCATION: University of Guelph Ridgetown Campus Agronomy Building, 120 Main Street East, Ridgetown ON, N0P 2C0

PRESENT: Kent Federation of Agriculture: Ron Faubert, Alice Uher, Harry Lawson, Harvey Handsor, Bill Parks, Scott Kilbride, Mary Anne Udvari, Katrina Sterling, Mike Vannieywenhuyze, Ken Dawson, Kathy Delanghe
Progressive Waste Solutions: Cathy Smith, Tim Kozlof
Dillon Consulting Limited: Megan Bellamy

Notes

- The members of the Kent Federation of Agriculture (KFA), Progressive Waste Solutions (PWS) and Dillon Consulting introduced themselves.
- Cathy introduced PWS as a waste management company whose core services include hauling, collection and landfilling. PWS also has a strong interest in the production and utilization of landfill gas, and has a gas utilization facility at their Lachinae landfill in Quebec.
- PWS has a reputation for being a good neighbour in the community and has been reaching out to local groups (such as KFA) to discuss the proposed expansion of the landfill and the environmental assessment (EA) process.
- Chatham-Kent is the host community for the Ridge Landfill, which has been operating since 1966. The total area of the site is 738 acres. From 1966-1999, the Old Landfill was filled. Currently, the West Landfill is being filled. This is expected to be full shortly and the South Landfill will start to be filled in the next few years. The entirety of the landfill is expected to reach capacity by 2022.
- PWS was asked about height restrictions because of the proximity of the airport and PWS advised the restriction is 120 feet.
- The landfill receives residential waste from Chatham-Kent and industrial, commercial and institutional (IC&I) waste from Southern Ontario (although is permitted to receive IC&I waste from all of Ontario). The landfill does not accept hazardous waste, nor does it accept liquid waste in bulk form.

- Gas produced by the landfill is collected and flared on-site through gas wells. Each flare has a capacity to handle 2200 scfm. Union Gas has shown interest in our landfill gas. There is potential for the gas facility to be placed on the property across the street from the landfill (Vermeij property).
- The Ridge Landfill has an active environmental management program that adheres to strict requirements for groundwater and surface water, as required by the Ministry of the Environment and Climate Change (MOECC). The environmental management system also addresses litter, odours, and bird management.
- Leachate is controlled on the site through a leachate management system. The leachate is collected and transferred to the Blenheim waste water treatment plant. When asked if the expanded landfill would produce more leachate than the current system could handle, PWS indicated that the landfill is actually producing less leachate than in the past, and that the treatment plant would be able to handle additional volume from an expanded landfill.
- Odour is controlled by collecting and flaring the landfill gas, along with the use of portable odour machines and by placing daily cover over the active face. When there are power outages this shuts the flare system down. The daily cover used to address odour comes from the site, when alternative daily cover cannot be brought in.
- PWS was asked if bentonite is used as daily cover and responded that bentonite is not used as daily cover, but is used to seal boreholes.
- Groundwater and surface water are monitored by an independent third party at the landfill. This has been taking place for well over 30 years with no issues to date.
- The Ridge Landfill Community Trust is an independent group that determines where funding will be spent. The funds have been allocated to Charing Cross and Blenheim and surrounding areas and have supported projects such as the senior's centre, a new park in Blenheim and baseball diamond in Charing Cross. If the landfill were expanded, the annual fill rate would stay the same. PWS is seeking to amend their permit to receive residential waste from all of Ontario. Currently, residential waste is only received from Chatham-Kent.
- The provincial government is placing an emphasis on increased waste diversion, but also recognizes the ongoing need for waste disposal capacity in Ontario in the future. As part of the EA, PWS is considering adding a public drop-off facility at Ridge. This would complement the existing Chatham-Kent transfer stations. The percentage of waste that can be diverted from the landfill per 100 tonnes is dependent on the type of waste that comes to the landfill. PWS operates to segregate waste at-source, so the waste coming to the Ridge is residual.
- The proposed areas of expansion would all be on PWS-owned property.
- When asked about the potential removal of the woodlots on-site, PWS explained that removed woodlot would be replaced through compensation either on-site or off-site within the same ecoregion. The KFA expressed support for the fact that this approach is aligned with the Tree Policy that the KFA contributed to developing.
- Dillon provided an overview of the steps in the EA, explaining that the draft Terms of

Reference (ToR) was under review with the Ministry of the Environment and Climate Change (MOECC), and that after comments were received, a final ToR would be submitted to the Ministry for approval. During the EA stage of the project, detailed studies will be undertaken on a variety of technical subjects including bird hazards, socioeconomics, noise, air quality, agriculture, biology, etc. The KFA acknowledged that the agricultural land in the areas adjacent to the landfill is not good quality.

- When asked about the proposed work at Hwy 401/Hwy 40 and how this could affect the haul route, PWS indicated that they understood there would be nightly closures but that the road would still be available for use during the day.

Errors and/or Omissions: For any errors and/or omissions, please contact Megan Bellamy (416-229-4647, Ext. 2423) or mbellamy@dillon.ca

Ridge Landfill Expansion

A presentation to the Kent Federation of Agriculture

August 9th, 2016



Progressive
Waste Solutions

The Ridge Landfill Open House

About Progressive Waste Solutions



- Progressive Waste Solutions is a leading provider of comprehensive waste management services in Ontario as well as across Canada.
- We have earned a highly valued reputation for environmental protection, waste diversion and recycling and development of renewable energy projects.
- We are committed to the most environmentally responsible management practices.
- Progressive Waste Solutions is a growing company that employs over 60 persons in the Municipality of Chatham-Kent.



More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

The Ridge Landfill



More detailed information is contained in the draft Terms of Reference at www.ridgelandfill.com

The Ridge Landfill Open House

The Ridge Landfill



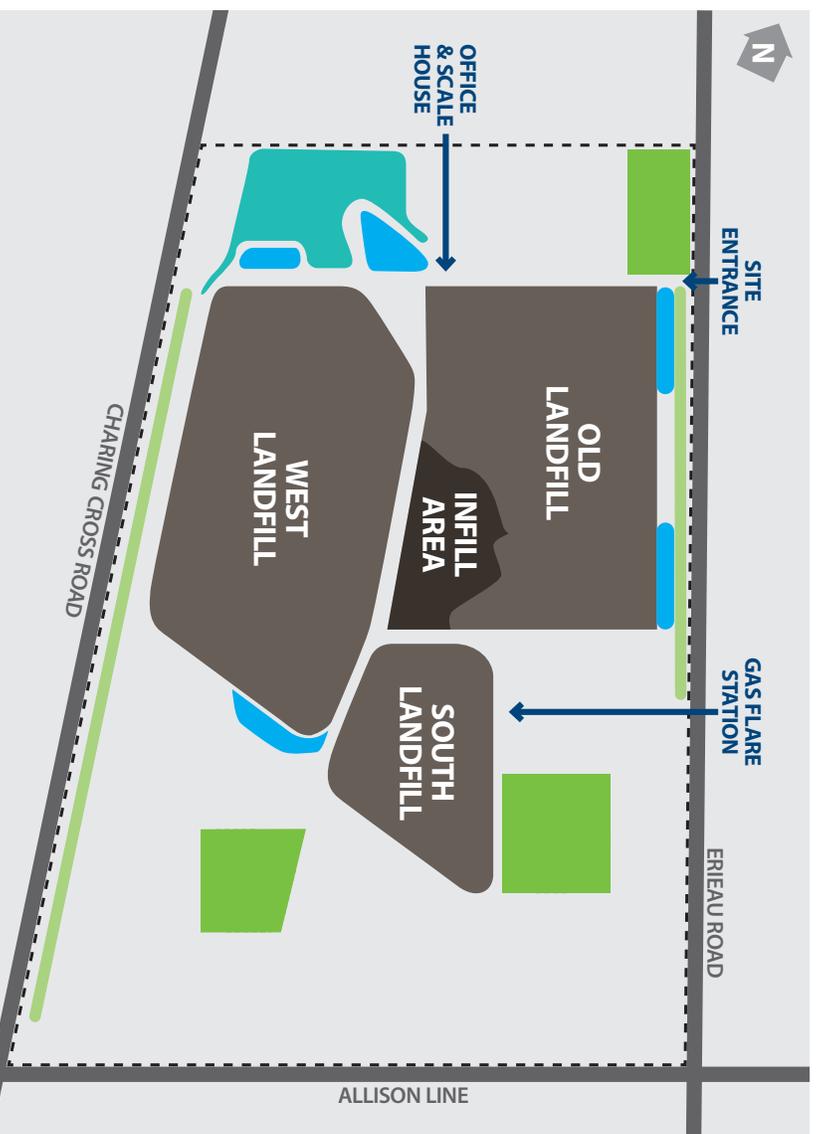
- Landfill operations began in 1966.
- Progressive Waste Solutions takes ownership and operation in 2005.
- The facility employs 23 persons.
- The Ridge Landfill receives all Chatham-Kent residential waste, and industrial commercial waste from across Ontario.
- The landfill is expected to reach capacity in 2022.



More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

The Ridge Landfill Open House

Current Landfill Site Operations



- Approved Waste Disposal Area
- Infill Area
- Existing Woodlot Area
- Existing Flood Control Facility
- Existing Stormwater Pond
- Existing Berm
- Progressive Waste Property Line

More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

Environmental Management Today and into the Future

Environmental Management System



We have an excellent environmental record at the landfill site.

- We have an environmental management system in place for the landfill that follows stringent Ministry of Environment and Climate Change regulations.
- We continually review and update our operational programs in and around the landfill to maintain environmental protection and prevention of litter, birds, odour, noise, dust and traffic from impacting our neighbours and the community.
- The EA will define any additional measures required to ensure the environmental integrity of the site going forward.



Gas collection well at the Ridge Landfill

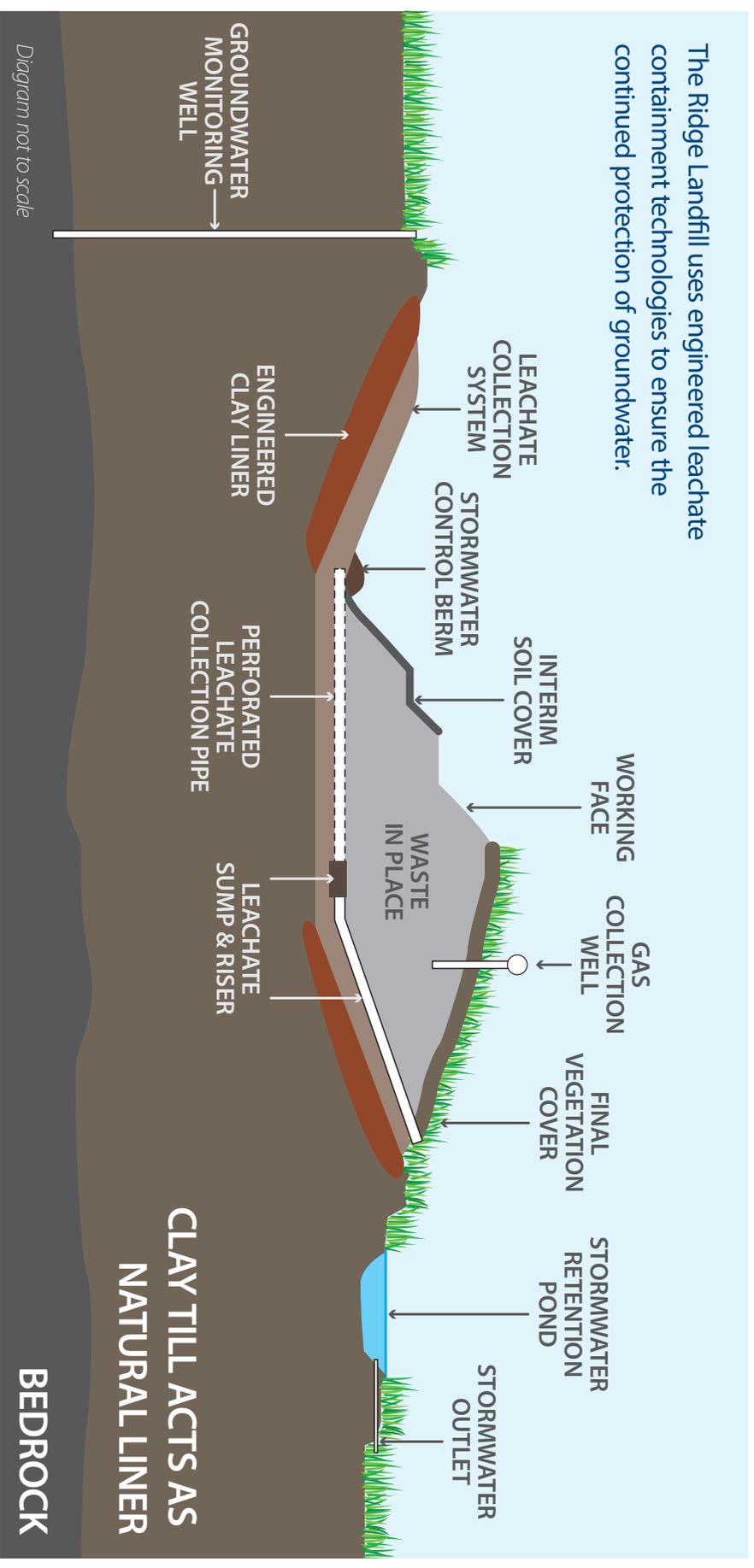
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Environmental Management Today and into the Future

An Environmentally Engineered Landfill



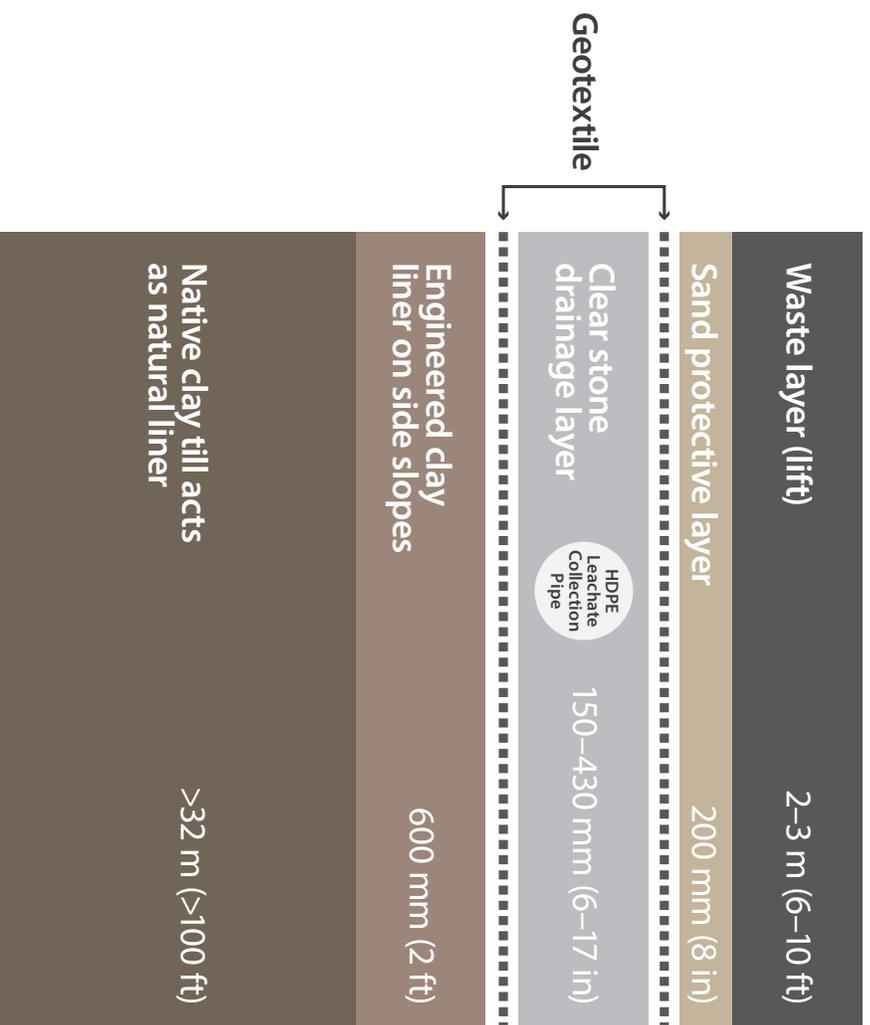
The Ridge Landfill uses engineered leachate containment technologies to ensure the continued protection of groundwater.



More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

Environmental Management Today and into the Future

Leachate Collection System



Leachate: Water (either from rain or decomposition of waste) that percolates through the waste.

Leachate Collection System: A system of stone drainage material and pipes and that collects the leachate at the bottom of the landfill.

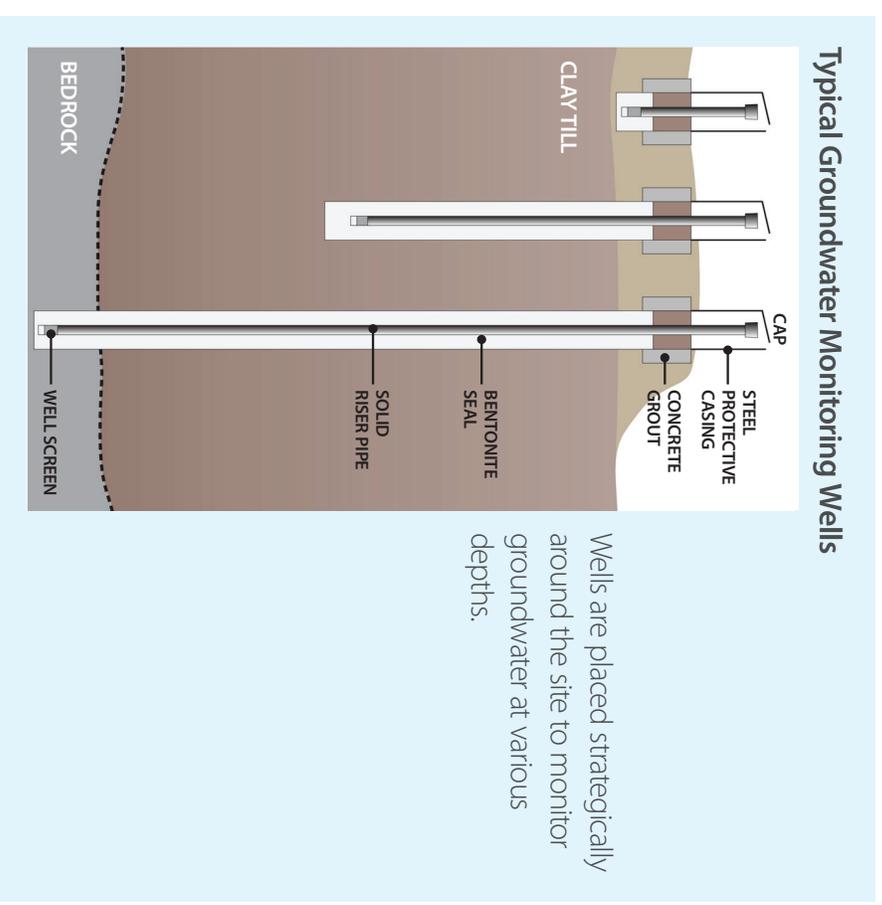
Liner: A barrier layer beneath the leachate collection system to prevent leachate from entering the groundwater.

More detailed information is contained in the draft Terms of Reference at www.ridgelandfill.com

Environmental Management Today and into the Future

Groundwater Monitoring System

- The Ridge Landfill has an environmental management system that monitors all aspects of the landfill including groundwater in and around the landfill.
- Annual monitoring of ground and surface water is conducted by a third party providing assurances the environment is being protected.
- There have been no impacts to the groundwater identified.



More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

A Partner in the Community



The Ridge Landfill contributes approximately \$13 million directly and indirectly to the community. Of that:

- Approximately \$9 million is spent annually on salaries, construction and road maintenance, goods and services purchased, taxes, etc.
- An annual royalty payment to the Municipality of Chatham-Kent based on the volume of material that comes into our facility from outside Chatham-Kent. In 2015, this amounted to \$2.3 million; and since 2005 we have contributed over \$15.9 million to the Municipality.
- Significant financial contributions are made to the Ridge Landfill Trust based on the volume of waste the landfill receives each year. In 2015, the Ridge contributed approximately \$1.1 million. These monies are to benefit the local community such as the building of the Community Centre Park and splash pad (see photos at right), a new seniors' centre and youth drop in centre in downtown Blenheim.



More detailed information is contained in the draft Terms of Reference at www.ridgeandlandfill.com

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

Our Future Plans



Progressive
Waste Solutions

Progressive Waste Solutions is proposing to expand the life of the Ridge Landfill for an additional 20 years following stringent Ontario Ministry of Environment and Climate Change landfill regulations.

The annual permitted disposal capacity will not increase. Progressive Waste Solutions will continue to accept industrial and commercial waste from across the province and will seek to expand its service area for residential waste across Ontario.

The expansion would also include a public drop-off depot to allow residents to divert materials which are not being collected in the current residential recycling program as well as the construction of a new community activity centre.

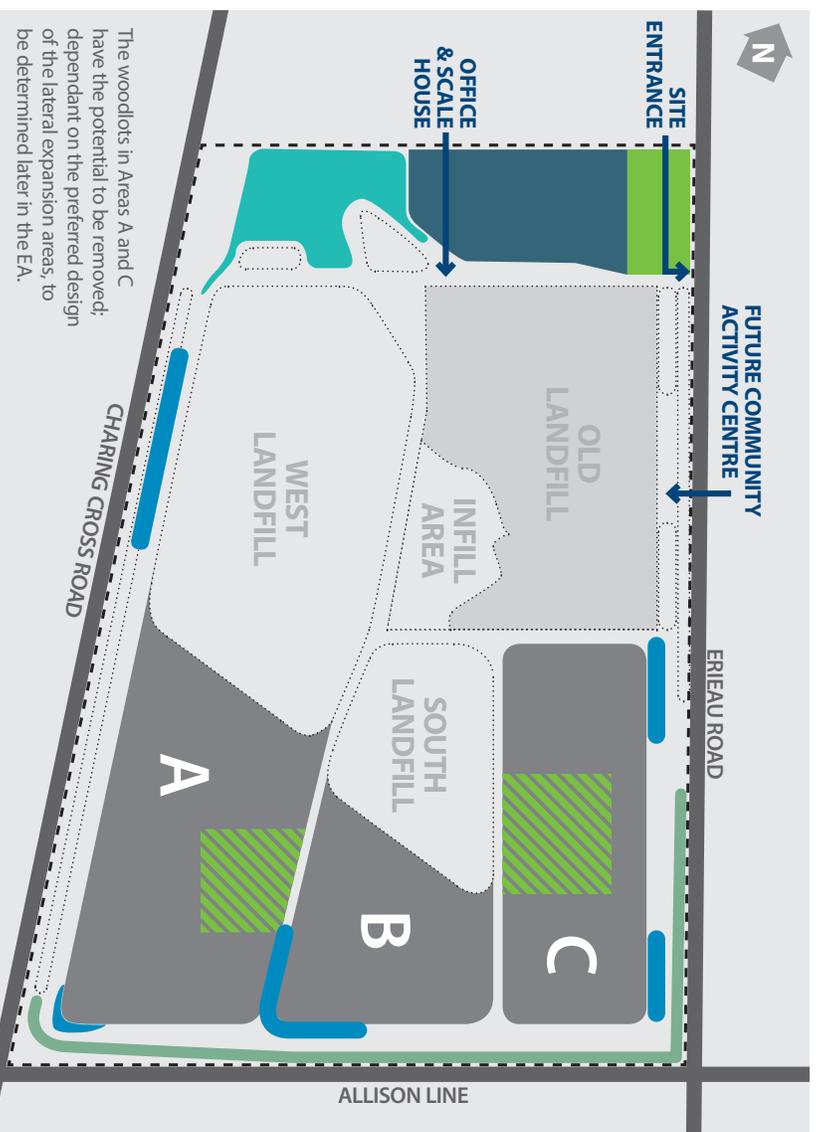
As a separate undertaking, Progressive Waste Solutions plans to develop a biogas facility to convert landfill gas into pipeline quality natural gas which would be the largest biogas facility in Ontario and one of the largest in North America. We already operate a similar biogas facility at our Lachenaie Landfill in Quebec.



More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

What will the EA Look At?

The Proposed Expansion



The woodlots in Areas A and C have the potential to be removed; dependant on the preferred design of the lateral expansion areas, to be determined later in the EA.

- Potential Lateral Expansion Areas
- Potential Vertical Expansion/
Landfill Mining Area
- Existing Woodlot Area
- Potential Flood Control/
Woodlot Compensation Area
- Existing Flood Control Facility
- Proposed Stormwater Pond
- Proposed Berm
- Progressive Waste Property Line

More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

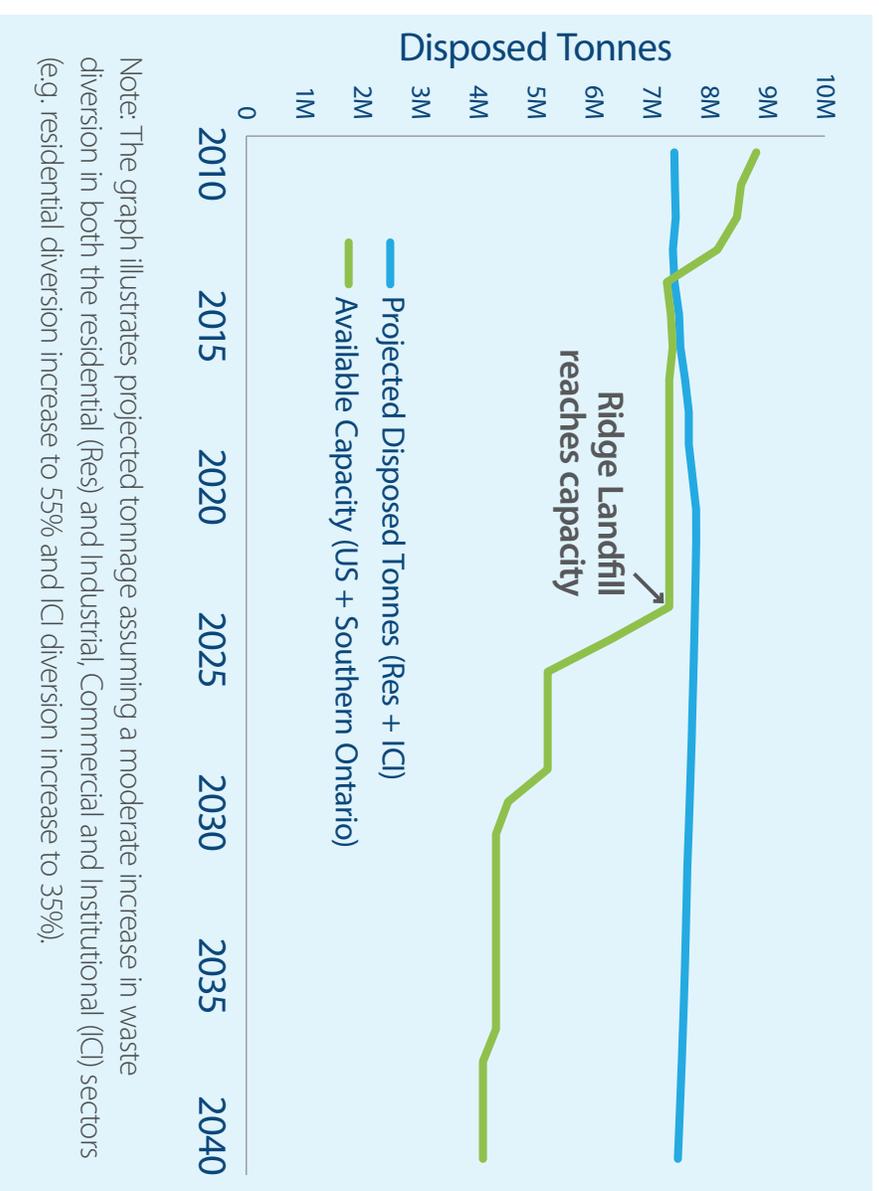
Need for More Capacity



Progressive
Waste Solutions

Despite increased waste diversion, over seven million tonnes of residual waste is disposed of annually in Ontario and the U.S. With provincial population growth, this need is expected to continue.

With the expected closure of existing Ontario landfill sites over the next 10 years (which would include the Ridge Landfill reaching capacity in 2022), it is estimated that there will be a need for new or expanded waste disposal facilities in Southern Ontario.



Note: The graph illustrates projected tonnage assuming a moderate increase in waste diversion in both the residential (Res) and Industrial, Commercial and Institutional (ICI) sectors (e.g. residential diversion increase to 55% and ICI diversion increase to 35%).

More detailed information is contained in the draft Terms of Reference at www.ridgeandfill.com

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?



Progressive
Waste Solutions

Alternatives to Expansion

Progressive Waste Solutions considered alternative ways to continue to provide waste disposal services:

Do nothing Involves closing the Ridge Landfill. This alternative does not provide capacity to meet the long term waste disposal needs for Chatham-Kent and Southern Ontario.	Close Ridge Landfill and construct a new landfill Involves finding a new landfill site location. Past work demonstrates that there is no location for a landfill site in Southern Ontario that is equivalent to or better than the Ridge Progressive Waste Solutions does not own any other property suitable for landfill in Southern Ontario.	Expand Ridge Landfill Involves expanding the Ridge Landfill. This alternative provides capacity to meet the long term disposal needs but does not result in any additional diversion of materials from disposal.	Expand the Ridge Landfill with waste diversion Involves creating more long-term disposal capacity for local and Southern Ontario needs. Additional waste diversion processing capacity could be added at the facility and/or elsewhere.
Preferred Alternative			

More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

What will the EA Look At?

Expand the Landfill with Waste Diversion



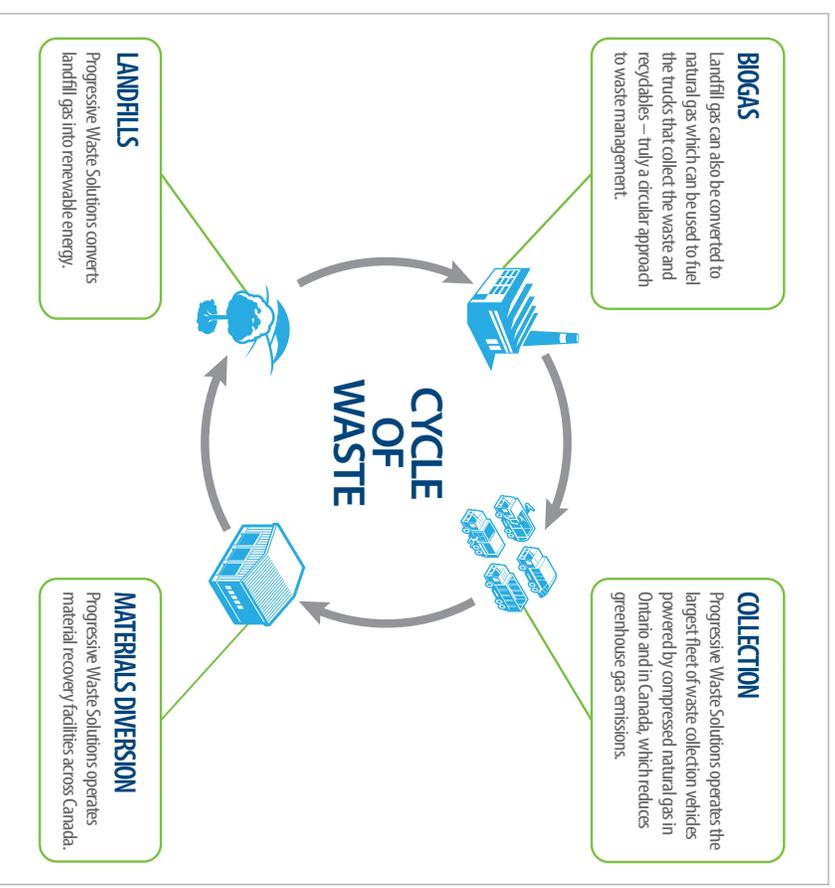
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What will the EA Look At?

EA Milestones and Consultation Plan



Progressive
Waste Solutions

Notice of EA
Commencement



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EA Submission



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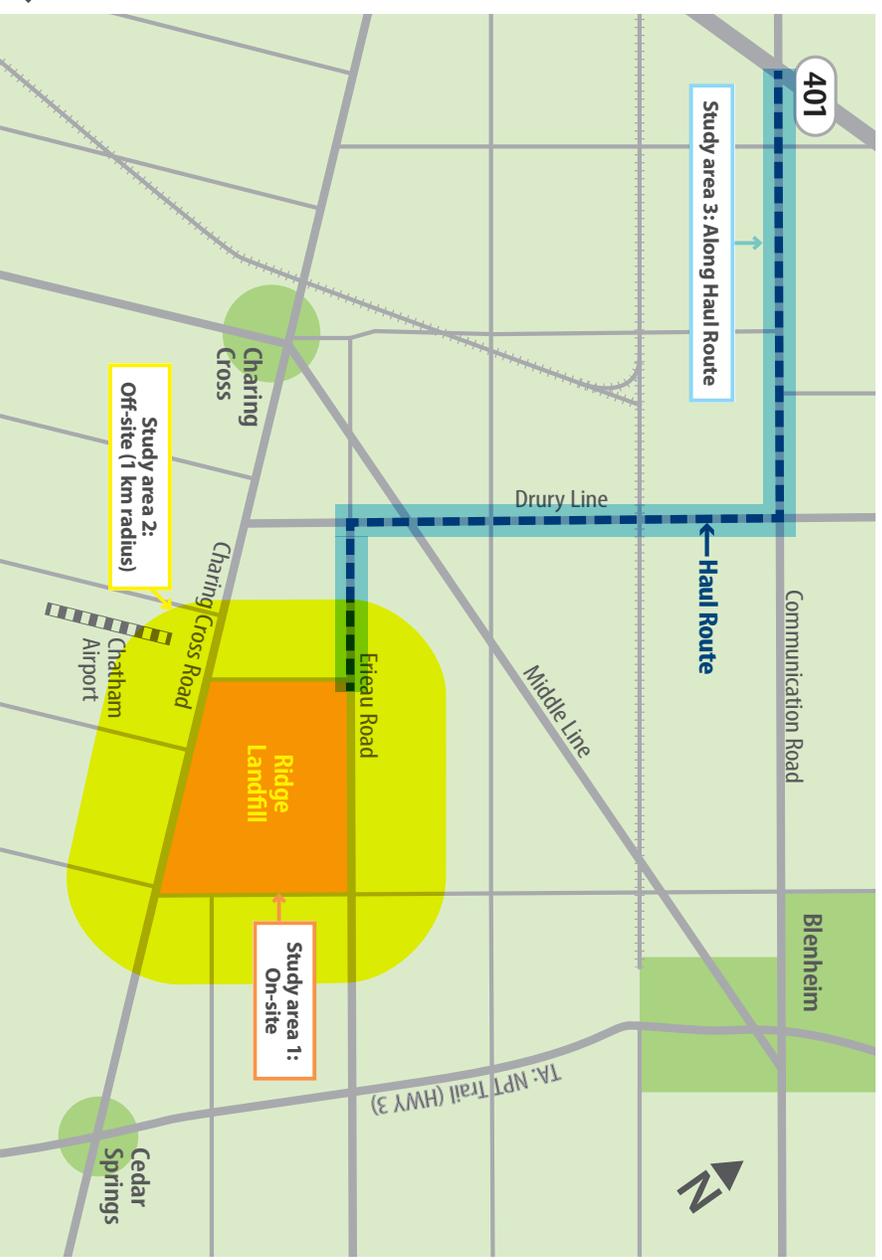
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Study Areas for the EA

PWS has identified three study areas to:

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- create a common study area to evaluate site expansion alternatives, and
- identify and assess potential impacts of the preferred expansion alternative and establish mitigation to minimize effects.



Map of study areas ▶

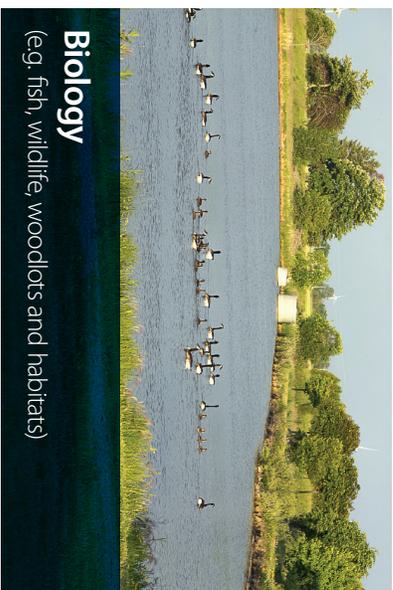
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Existing Site Conditions & Future EA Studies

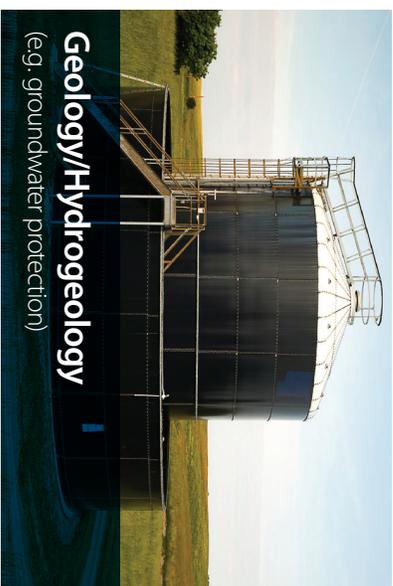


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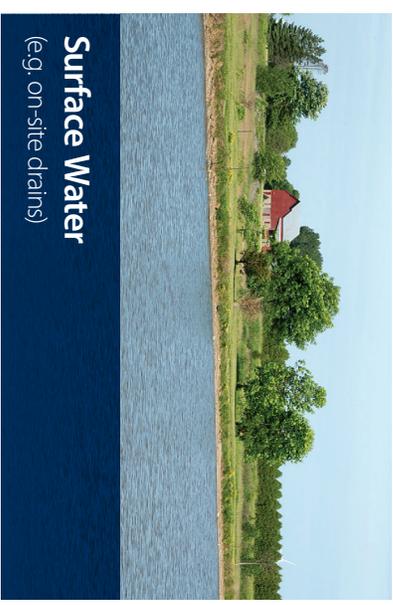
Biology

(eg. fish, wildlife, woodlots and habitats)



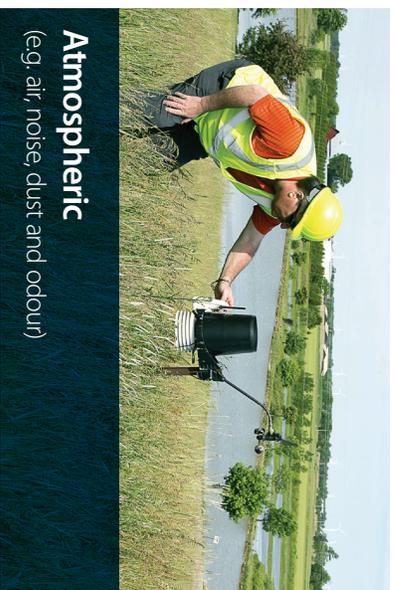
Geology/Hydrogeology

(eg. groundwater protection)



Surface Water

(eg. on-site drains)



Atmospheric

(eg. air, noise, dust and odour)



Agriculture

(eg. disruption to local farm operations)



Land Use

(eg. on other land uses)

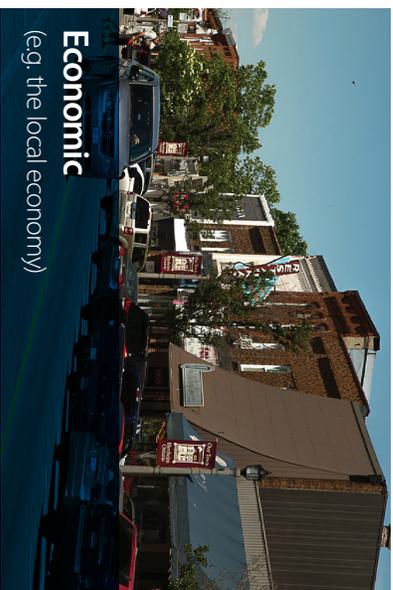
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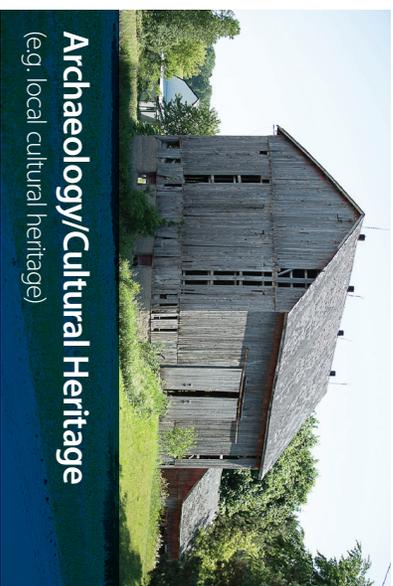


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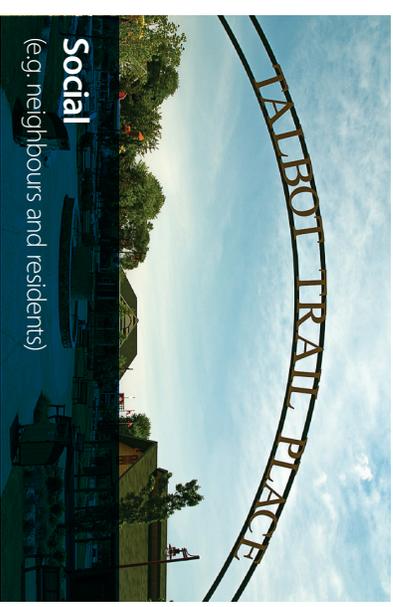
Economic

(eg. the local economy)



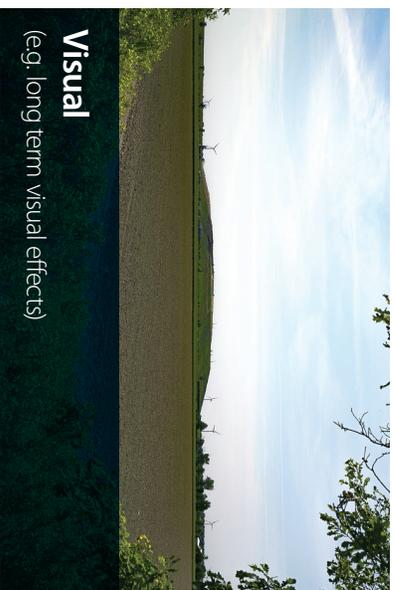
Archaeology/Cultural Heritage

(eg. local cultural heritage)



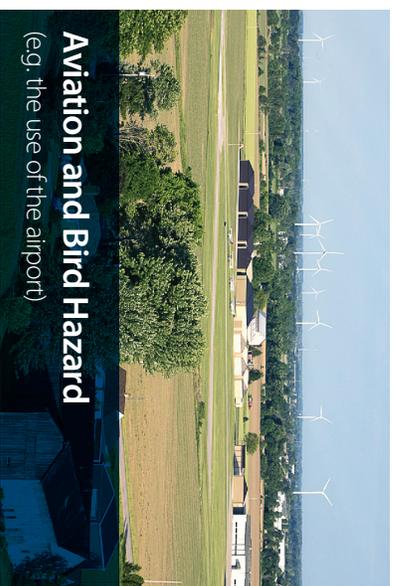
Social

(eg. neighbours and residents)



Visual

(eg. long term visual effects)



Aviation and Bird Hazard

(eg. the use of the airport)



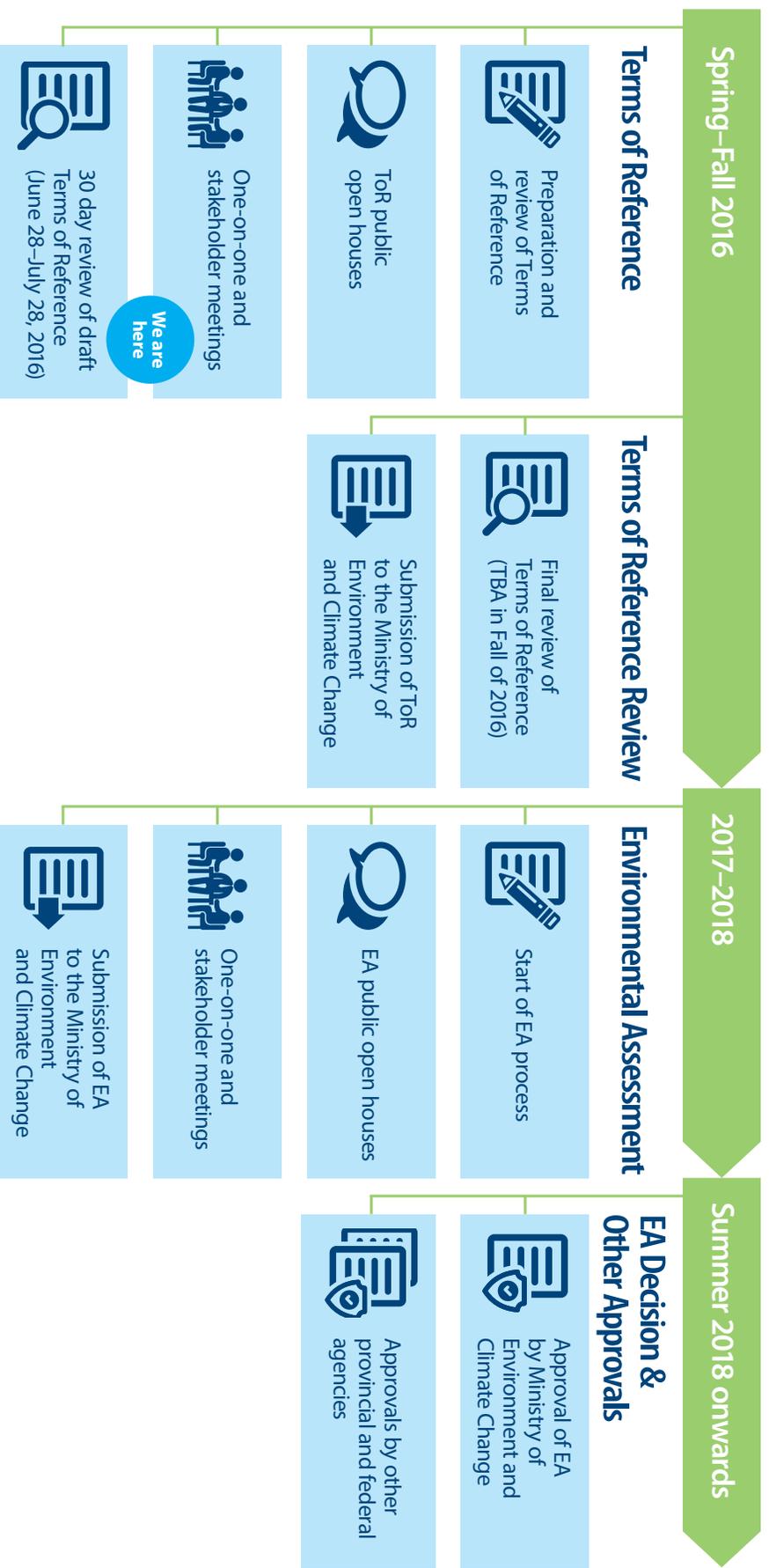
Traffic

(eg. traffic flows)

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Consultation and Next Steps

Environmental Assessment Process



More detailed information is contained in the draft Terms of Reference at www.ridgelandfill.com

Consultation and Next Steps

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To exchange information and hear community concerns and questions.



Community Newsletters

To provide news and information about the site and proposed expansion project.



Stakeholder Meetings

To provide opportunity for one-on-one meetings with Progressive Waste Solutions staff to discuss the proposed expansion project.



More detailed information is contained in the draft Terms of Reference at www.ridgelandfill.com

Ridge Landfill Expansion

**A presentation to the Blenheim Business
Improvement Association**

October 11, 2016



Progressive
Waste Solutions

The Ridge Landfill Open House

About Progressive Waste Solutions

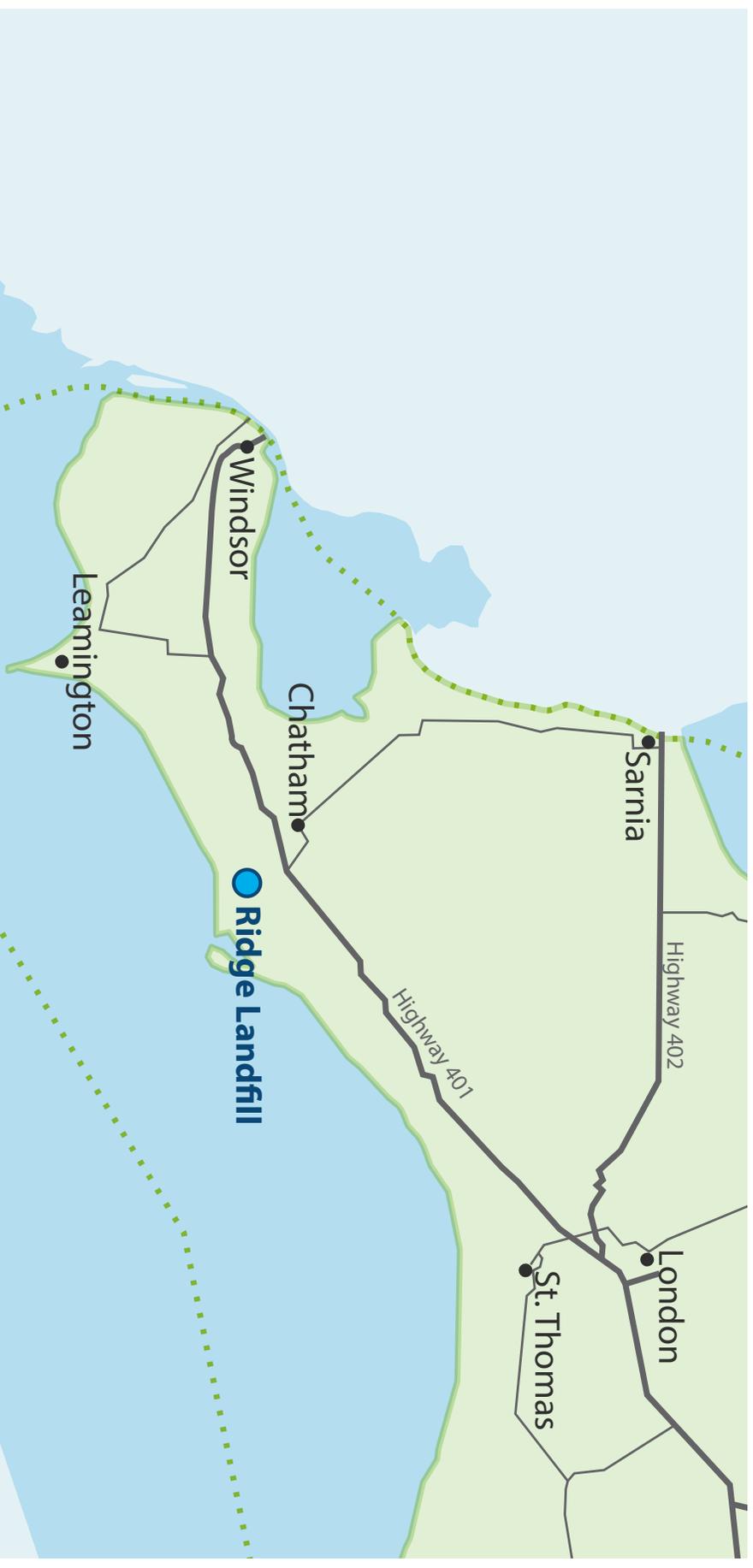


- Progressive Waste Solutions is a leading provider of comprehensive waste management services in Ontario as well as across Canada.
- We have earned a highly valued reputation for environmental protection, waste diversion and recycling and development of renewable energy projects.
- We are committed to the most environmentally responsible management practices.
- Progressive Waste Solutions is a growing company that employs over 60 persons in the Municipality of Chatham-Kent.



More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

The Ridge Landfill



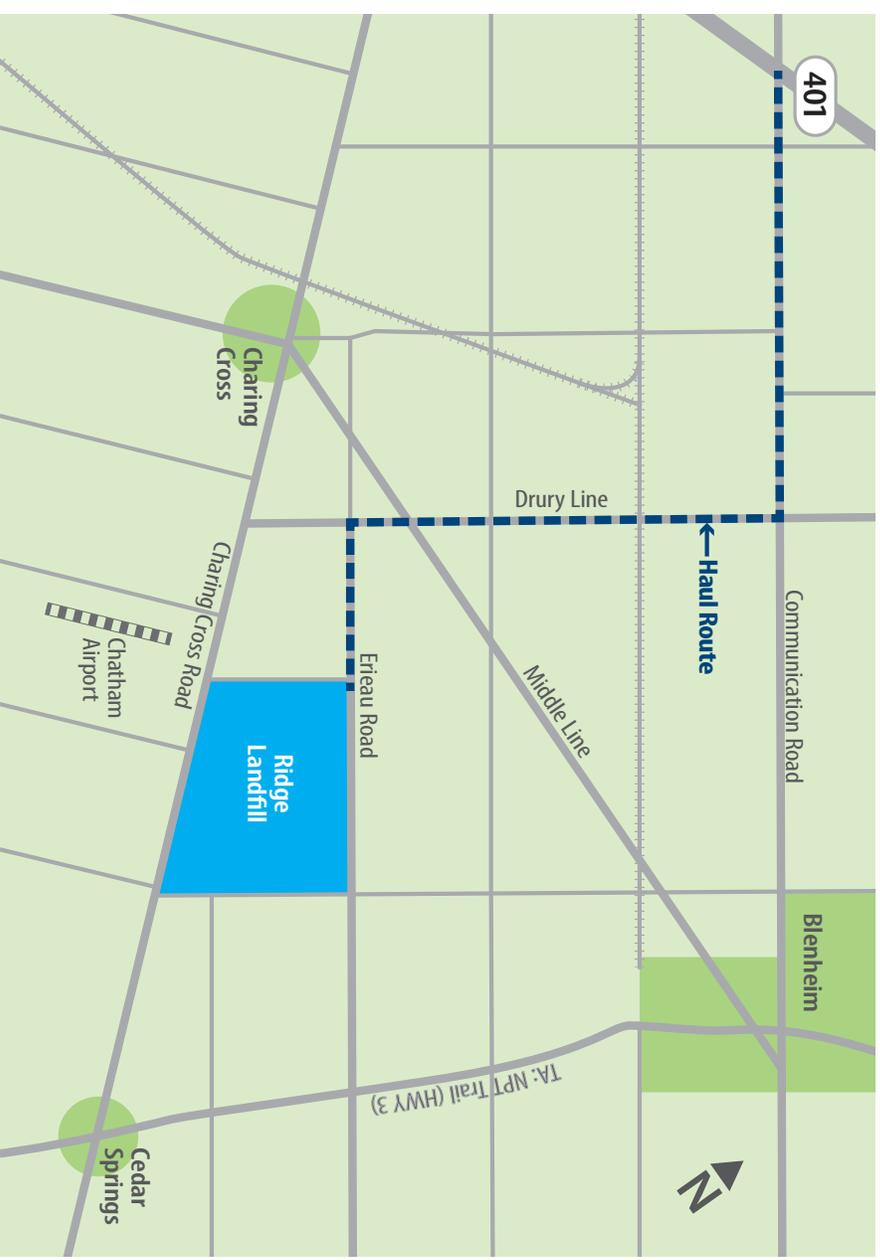
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The Ridge Landfill Open House

The Ridge Landfill



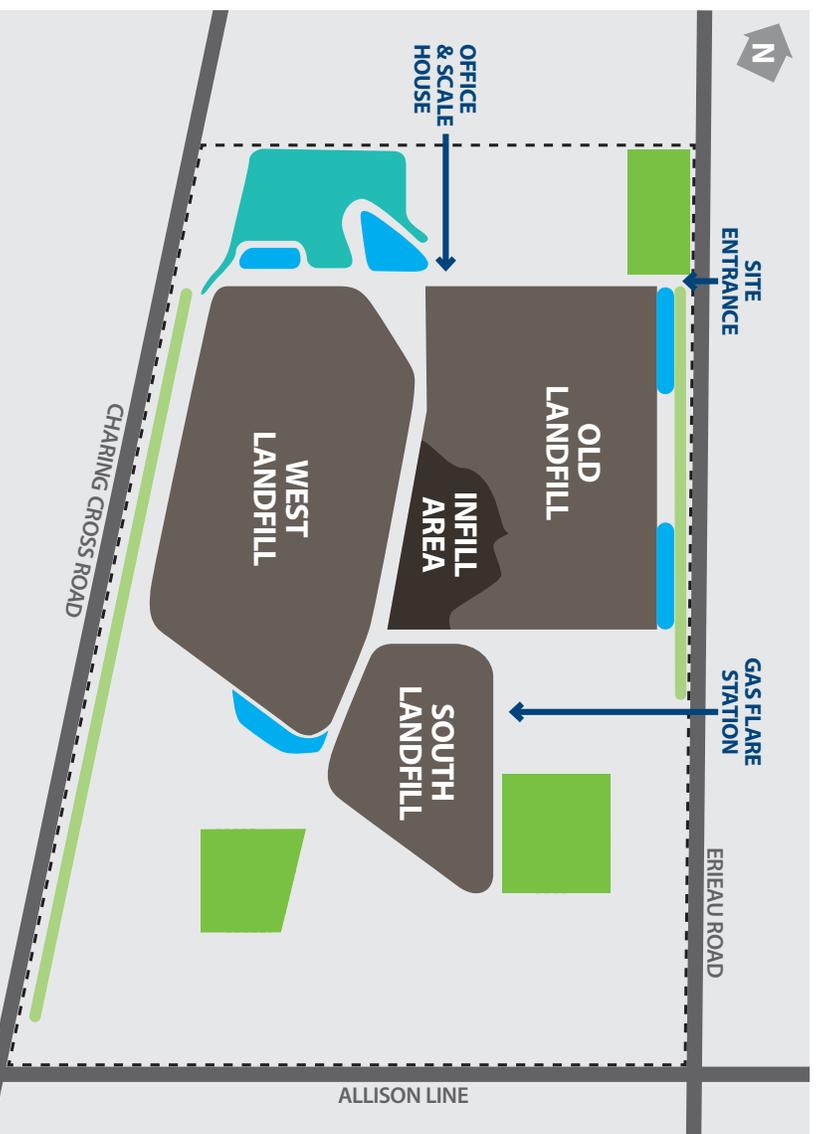
- Landfill operations began in 1966.
- Progressive Waste Solutions takes ownership and operation in 2005.
- The facility employs 23 persons.
- The Ridge Landfill receives all Chatham-Kent residential waste, and industrial commercial waste from across Ontario.
- The landfill is expected to reach capacity in 2022.



More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

The Ridge Landfill Open House

Current Landfill Site Operations



- Approved Waste Disposal Area
- Infill Area
- Existing Woodlot Area
- Existing Flood Control Facility
- Existing Stormwater Pond
- Existing Berm
- Progressive Waste Property Line

More detailed information is contained in the draft Terms of Reference at www.ridgegelandfill.com

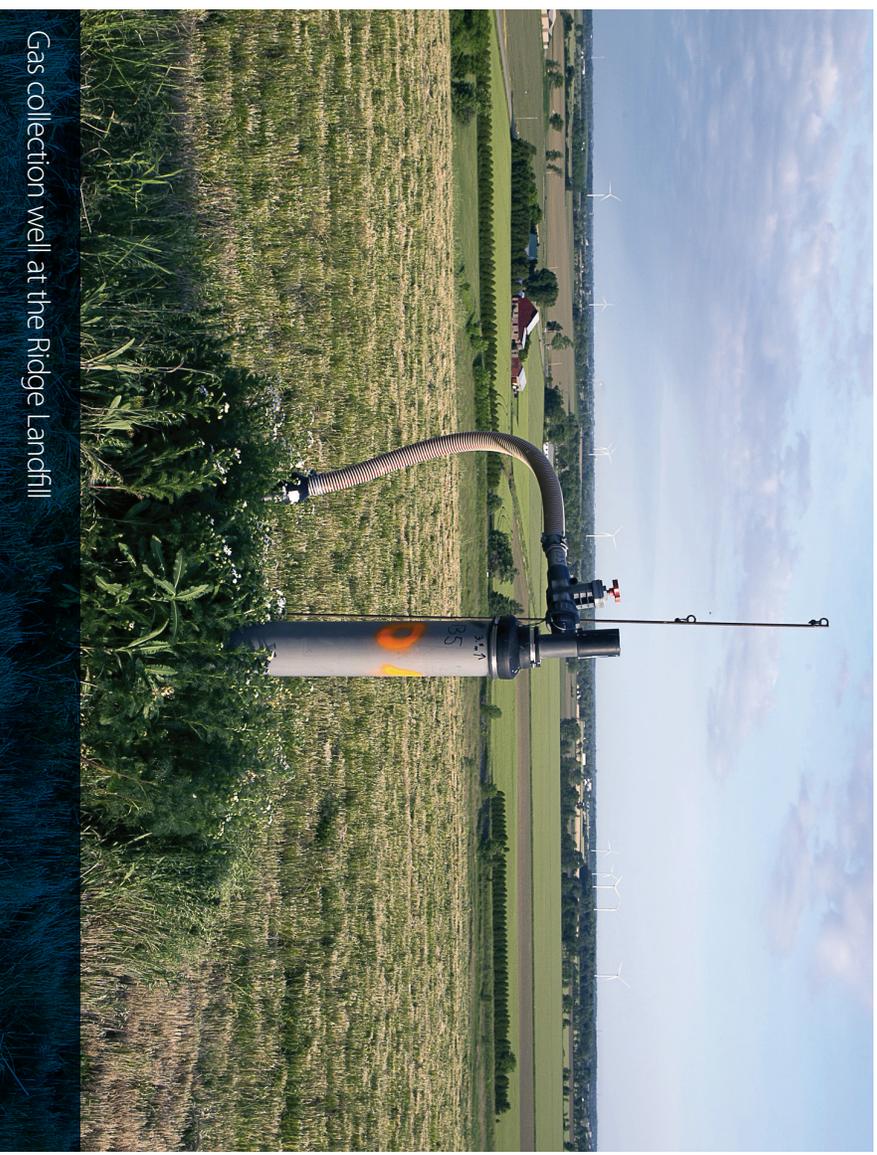
Environmental Management Today and into the Future

Environmental Management System



We have an excellent environmental record at the landfill site.

- We have an environmental management system in place for the landfill that follows stringent Ministry of Environment and Climate Change regulations.
- We continually review and update our operational programs in and around the landfill to maintain environmental protection and prevention of litter, birds, odour, noise, dust and traffic from impacting our neighbours and the community.
- The EA will define any additional measures required to ensure the environmental integrity of the site going forward.



Gas collection well at the Ridge Landfill

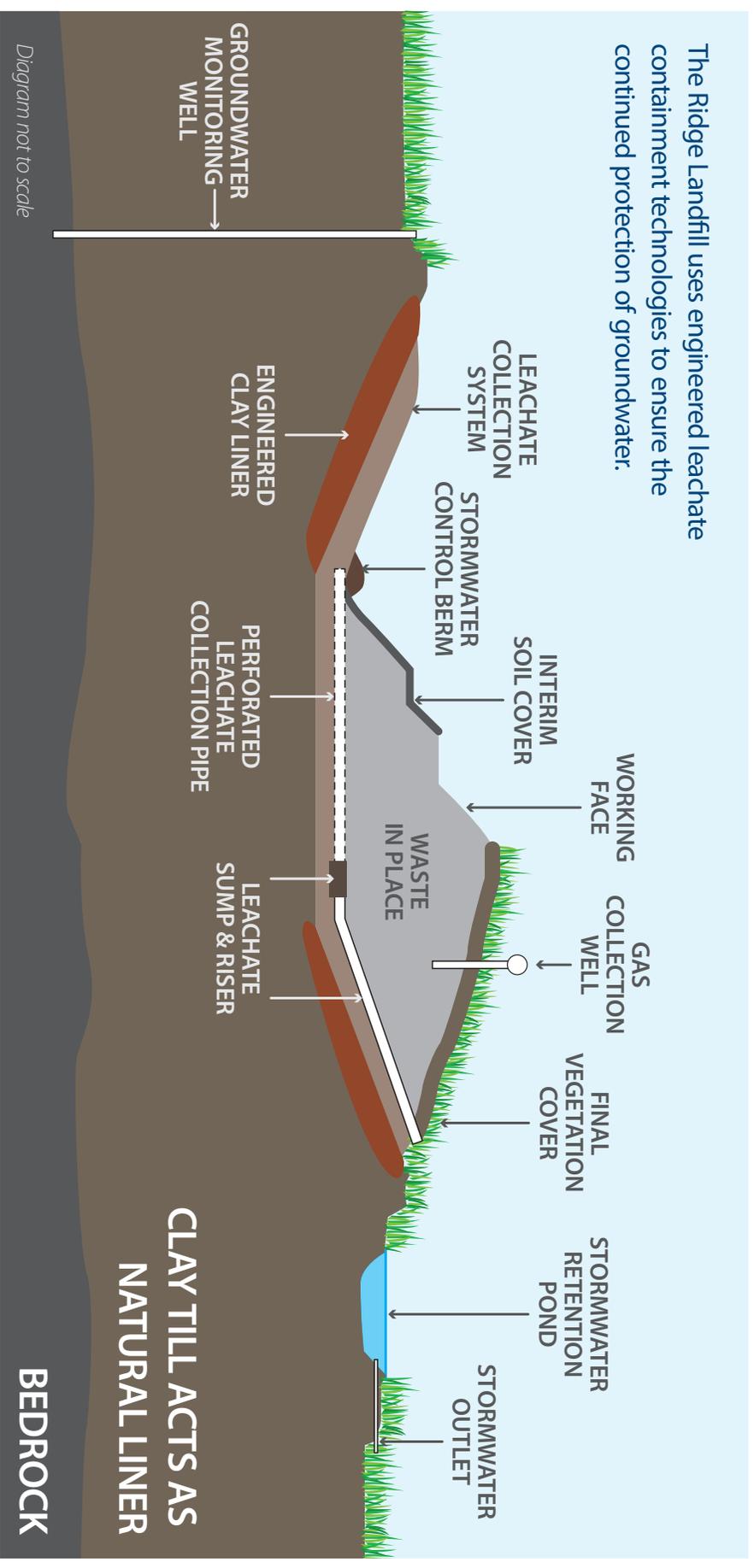
More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

Environmental Management Today and into the Future

An Environmentally Engineered Landfill



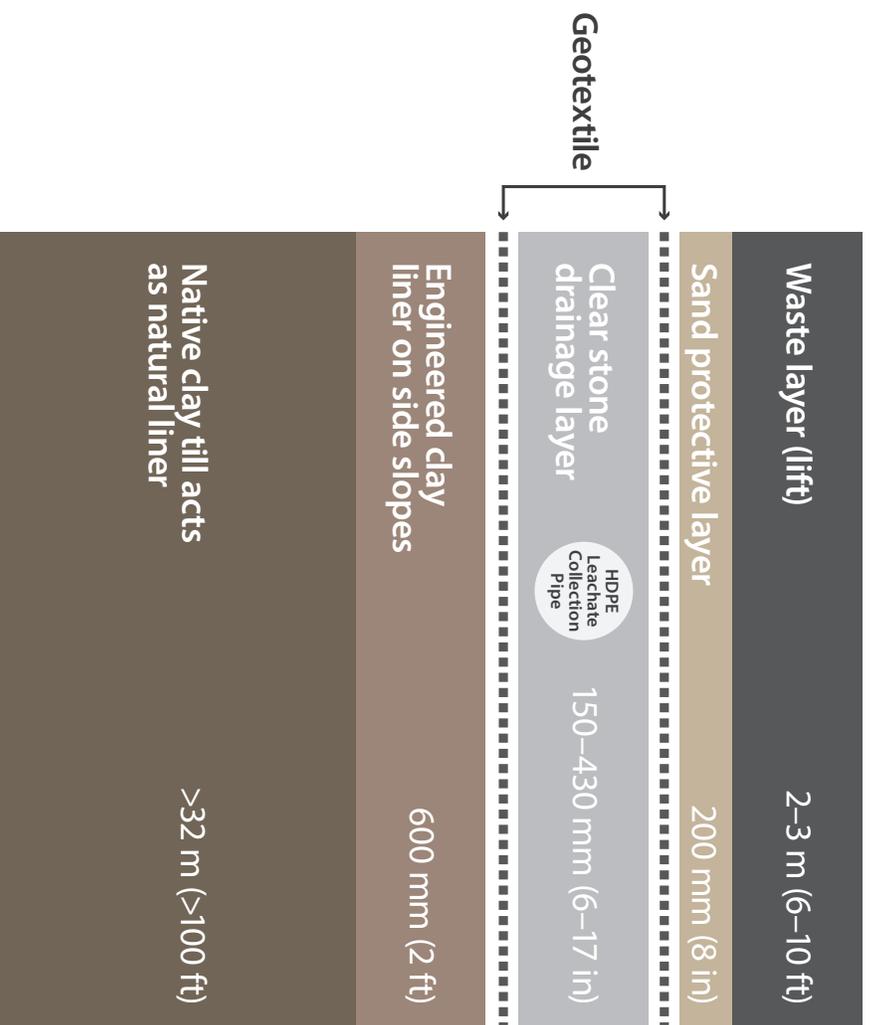
The Ridge Landfill uses engineered leachate containment technologies to ensure the continued protection of groundwater.



More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

Environmental Management Today and into the Future

Leachate Collection System



Leachate: Water (either from rain or decomposition of waste) that percolates through the waste.

Leachate Collection System: A system of stone drainage material and pipes and that collects the leachate at the bottom of the landfill.

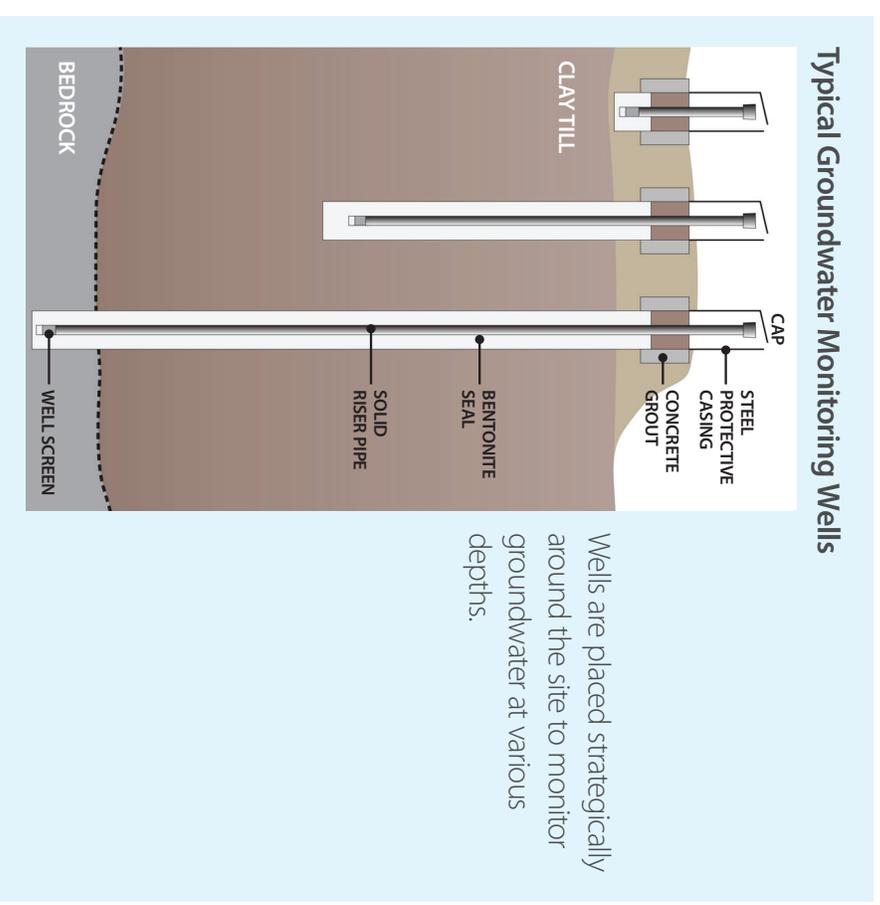
Liner: A barrier layer beneath the leachate collection system to prevent leachate from entering the groundwater.

More detailed information is contained in the draft Terms of Reference at www.ridgelandfill.com

Environmental Management Today and into the Future

Groundwater Monitoring System

- The Ridge Landfill has an environmental management system that monitors all aspects of the landfill including groundwater in and around the landfill.
- Annual monitoring of ground and surface water is conducted by a third party providing assurances the environment is being protected.
- There have been no impacts to the groundwater identified.



More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

A Partner in the Community



The Ridge Landfill contributes approximately \$13 million directly and indirectly to the community. Of that:

- Approximately \$9 million is spent annually on salaries, construction and road maintenance, goods and services purchased, taxes, etc.
- An annual royalty payment to the Municipality of Chatham-Kent based on the volume of material that comes into our facility from outside Chatham-Kent. In 2015, this amounted to \$2.3 million; and since 2005 we have contributed over \$15.9 million to the Municipality.
- Significant financial contributions are made to the Ridge Landfill Trust based on the volume of waste the landfill receives each year. In 2015, the Ridge contributed approximately \$1.1 million. These monies are to benefit the local community such as the building of the Community Centre Park and splash pad (see photos at right), a new seniors' centre and youth drop in centre in downtown Blenheim.



More detailed information is contained in the draft Terms of Reference at www.ridgeandlandfill.com

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

Our Future Plans



Progressive Waste Solutions is proposing to expand the life of the Ridge Landfill for an additional 20 years following stringent Ontario Ministry of Environment and Climate Change landfill regulations.

The annual permitted disposal capacity will not increase. Progressive Waste Solutions will continue to accept industrial and commercial waste from across the province and will seek to expand its service area for residential waste across Ontario.

The expansion would also include a public drop-off depot to allow residents to divert materials which are not being collected in the current residential recycling program as well as the construction of a new community activity centre.

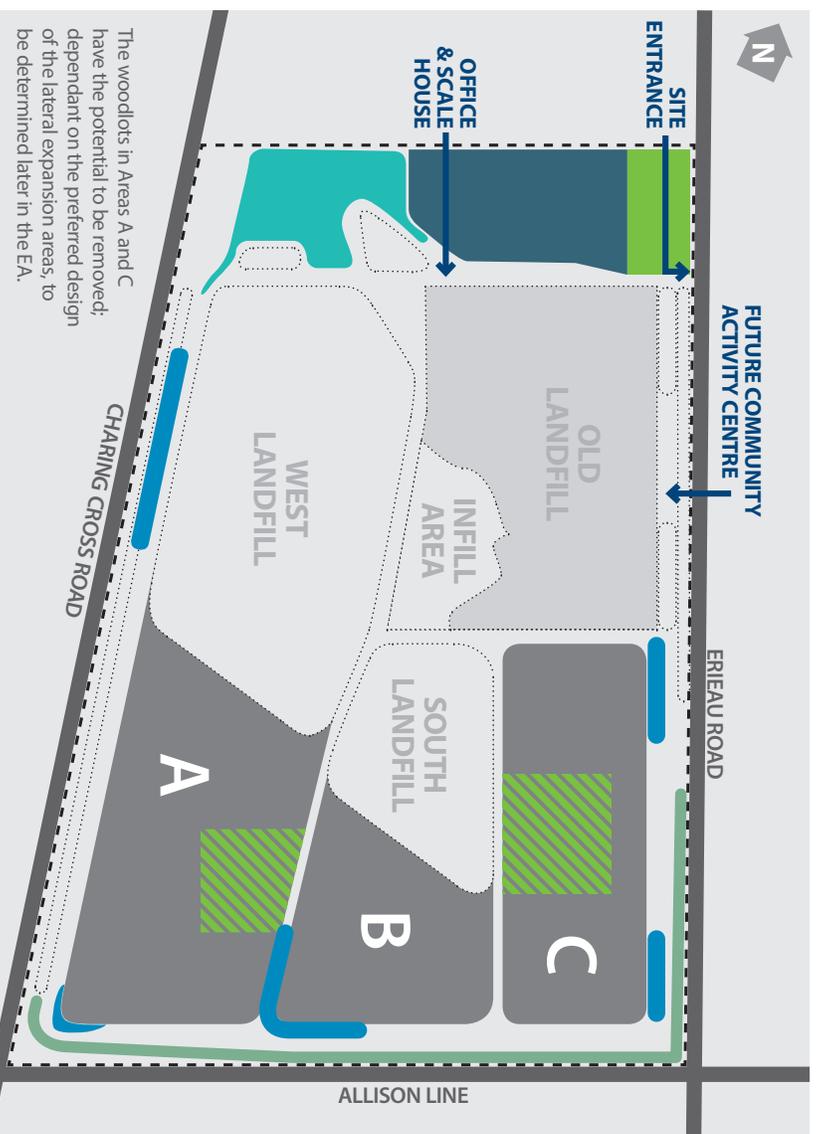
As a separate undertaking, Progressive Waste Solutions plans to develop a biogas facility to convert landfill gas into pipeline quality natural gas which would be the largest biogas facility in Ontario and one of the largest in North America. We already operate a similar biogas facility at our Lachenaie Landfill in Quebec.



More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

What will the EA Look At?

The Proposed Expansion



The woodlots in Areas A and C have the potential to be removed; dependant on the preferred design of the lateral expansion areas, to be determined later in the EA.

- Potential Lateral Expansion Areas
- Potential Vertical Expansion/
Landfill Mining Area
- Existing Woodlot Area
- Potential Flood Control/
Woodlot Compensation Area
- Existing Flood Control Facility
- Proposed Stormwater Pond
- Proposed Berm
- Progressive Waste Property Line

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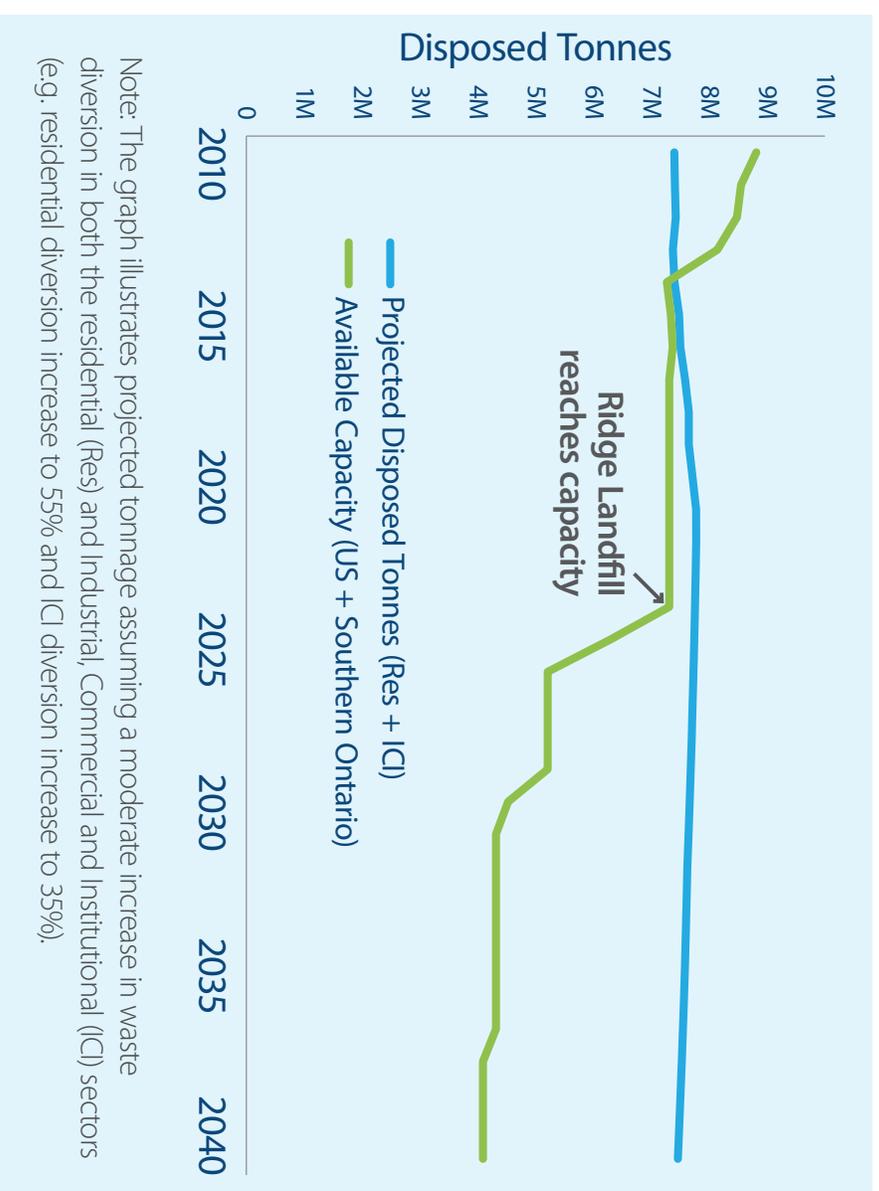
Need for More Capacity



Progressive
Waste Solutions

Despite increased waste diversion, over seven million tonnes of residual waste is disposed of annually in Ontario and the U.S. With provincial population growth, this need is expected to continue.

With the expected closure of existing Ontario landfill sites over the next 10 years (which would include the Ridge Landfill reaching capacity in 2022), it is estimated that there will be a need for new or expanded waste disposal facilities in Southern Ontario.



Note: The graph illustrates projected tonnage assuming a moderate increase in waste diversion in both the residential (Res) and Industrial, Commercial and Institutional (ICI) sectors (e.g. residential diversion increase to 55% and ICI diversion increase to 35%).

More detailed information is contained in the draft Terms of Reference at www.ridgeandfill.com

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

Alternatives to Expansion



Progressive Waste Solutions considered alternative ways to continue to provide waste disposal services:

Do nothing Involves closing the Ridge Landfill. This alternative does not provide capacity to meet the long term waste disposal needs for Chatham-Kent and Southern Ontario.	Close Ridge Landfill and construct a new landfill Involves finding a new landfill site location. Past work demonstrates that there is no location for a landfill site in Southern Ontario that is equivalent to or better than the Ridge, Progressive Waste Solutions does not own any other property suitable for landfill in Southern Ontario.	Expand Ridge Landfill Involves expanding the Ridge Landfill. This alternative provides capacity to meet the long term disposal needs but does not result in any additional diversion of materials from disposal.	Expand the Ridge Landfill with waste diversion Involves creating more long-term disposal capacity for local and Southern Ontario needs. Additional waste diversion processing capacity could be added at the facility and/or elsewhere.
Preferred Alternative			

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What will the EA Look At?

Expand the Landfill with Waste Diversion



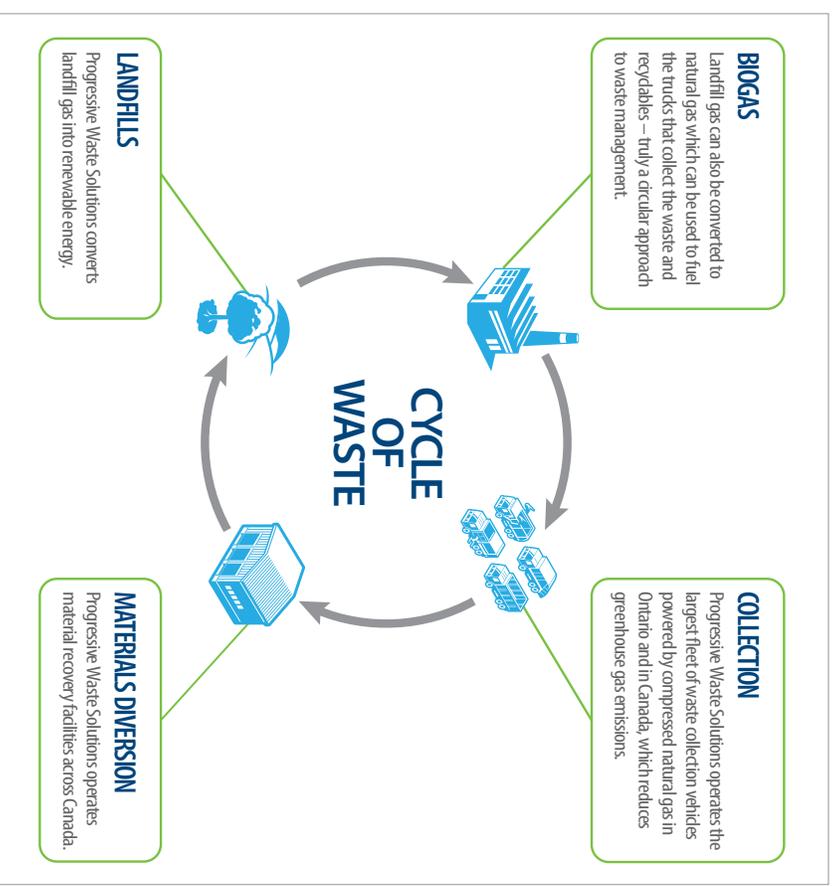
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Progressive
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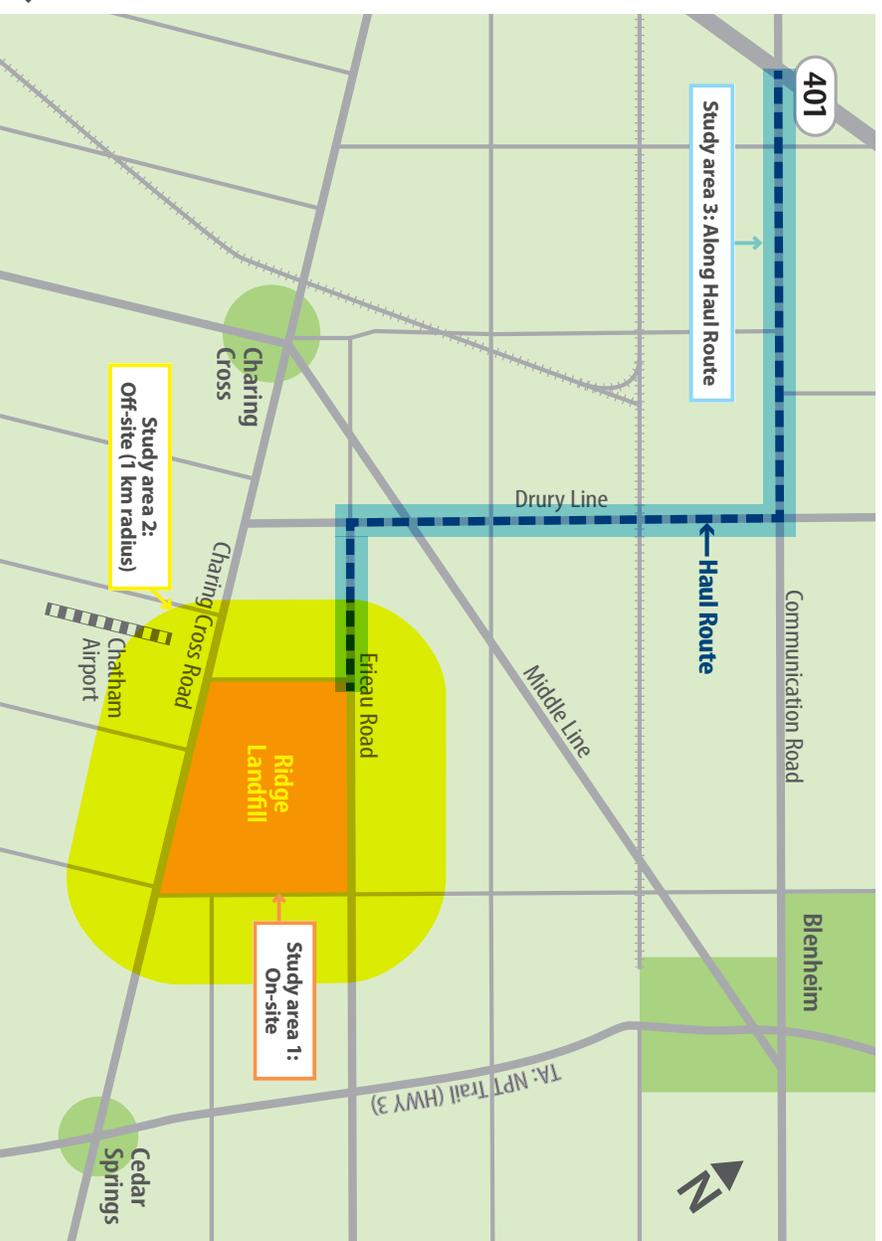
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Map of study areas ▶

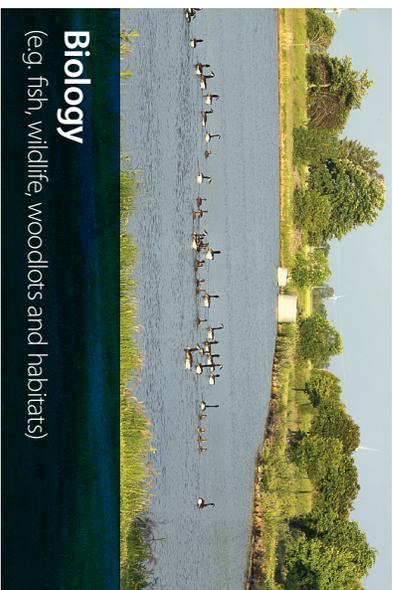
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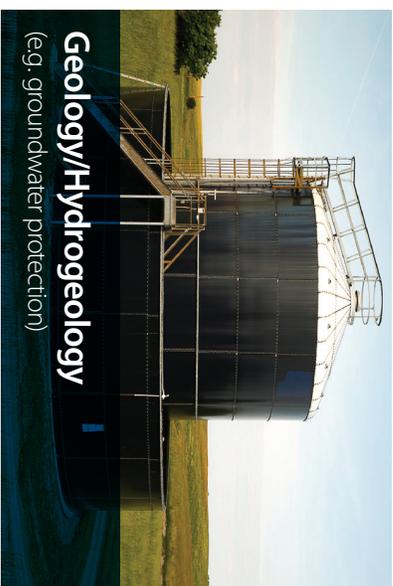


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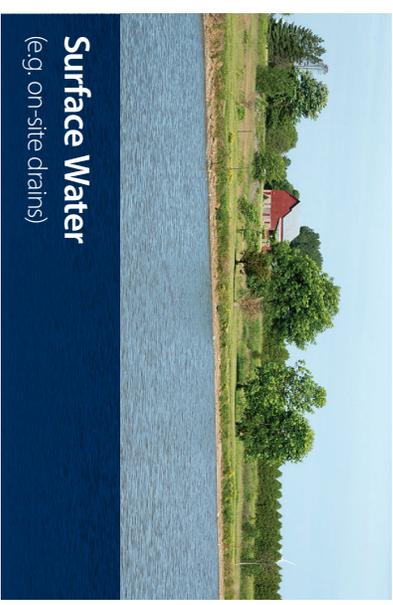
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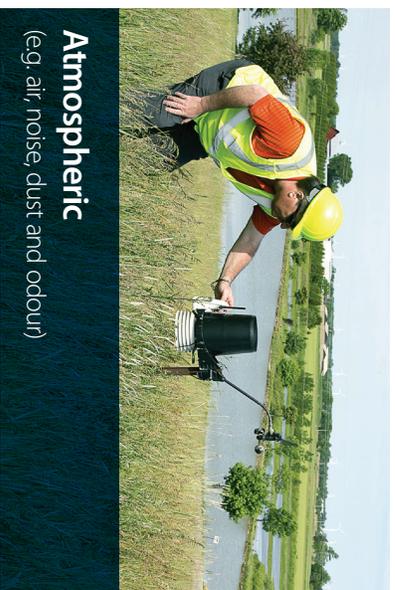
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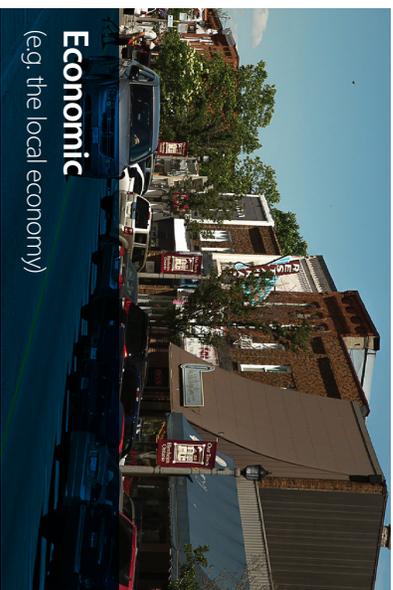
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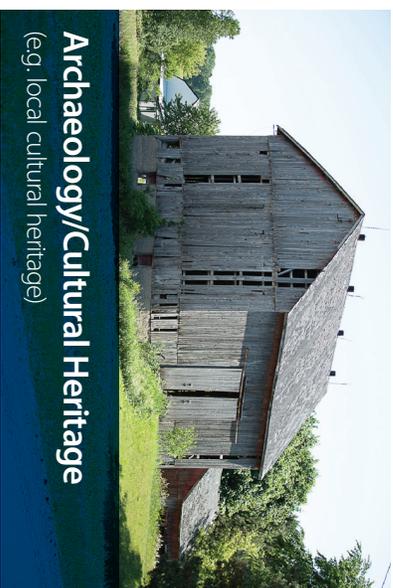


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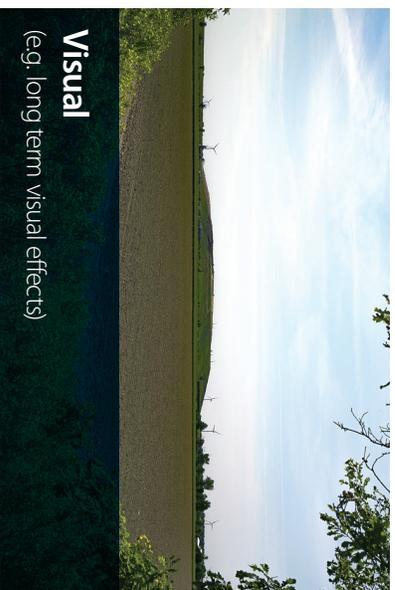
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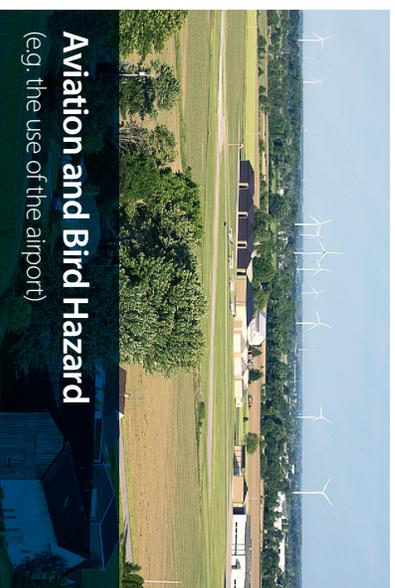
Social

(eg. neighbours and residents)



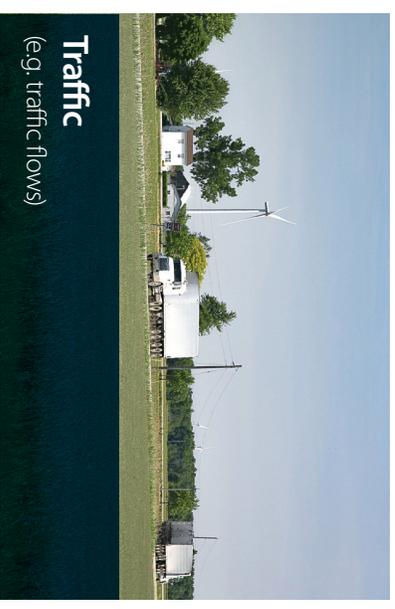
Visual

(eg. long term visual effects)



Aviation and Bird Hazard

(eg. the use of the airport)



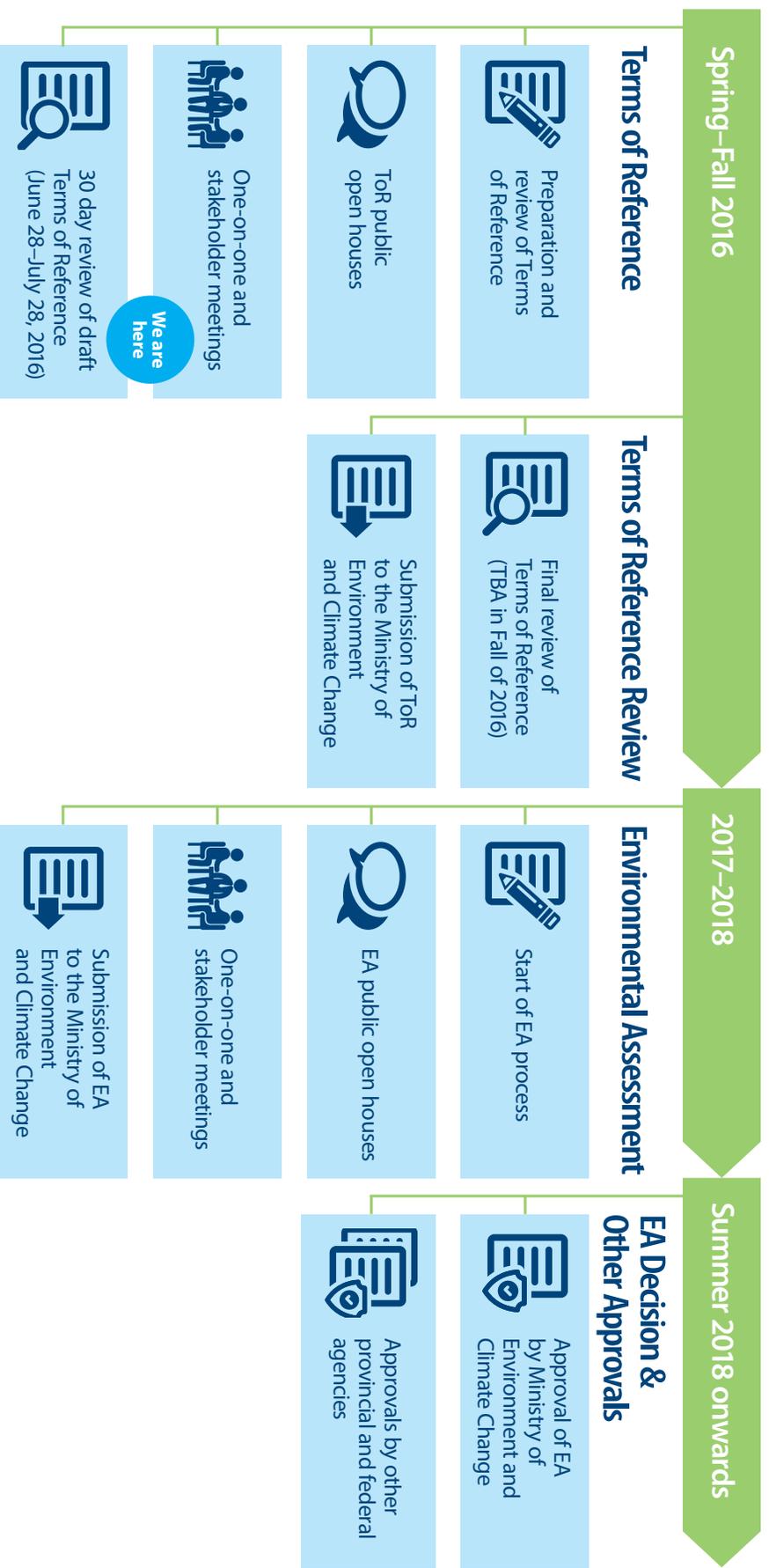
Traffic

(eg. traffic flows)

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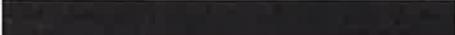
New contact form submitted: RIDGELANDFILL.COM

1 message



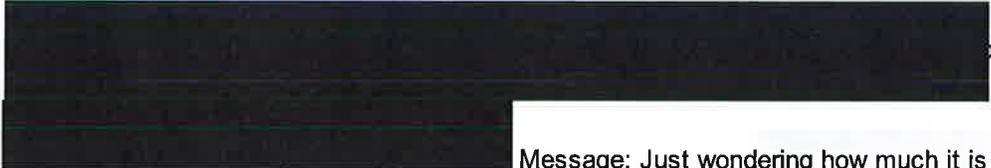
Thu, Apr 21, 2016 at 6:34 AM
th@progressivewaste.com,

Message: Hi there. We live out in the rural area and we don't have residential pick-up, we have to go the Harwich/Raleigh station to drop our stuff off. My question is, would we be able to drop things off or does this only apply for those that have residential pick-up and will there be a fee? Thank you in advance for your response.



New contact form submitted: RIDGELANDFILL.COM

1 message



Mon, Apr 25, 2016 at 9:46 PM
progressivewaste.com,

Message: Just wondering how much it is to bring garbage there thanks



New contact form submitted: RIDGELANDFILL.COM

1 message



Wed, May 4, 2016 at 7:53 AM
waste.com,



Message: please sign us up on your "project contact list" for the application to
expand the ridge landfill



New contact form submitted: RIDGELANDFILL.COM

1 message



Thu, May 5, 2016 at 9:14 AM
ewaste.com,

Message: Good Morning! I have been advised that your company has a community trust fund. I was wondering if you may be able to send me some information on how to apply for this trust. I am an active member on the board for the new men's shelter in Chatham, New Beginning House, We are currently exploring ways to fund the project as we are complexly ran off volunteers and private donations. I appreciate any information you may be able to provide.

Thank you and Have a great day!





New contact form submitted: RIDGELANDFILL.COM

1 message

Wed, May 18, 2016 at 4:27 PM
sivewaste.com,

anager

Hello Tim,

The Village of Erie Beach, down the road from the landfill, will be celebrating its centennial this summer. To commemorate this milestone, we are hoping to design and erect a sign at each of the 2 entrances to the village. We are also having a celebration and inviting all the current and former residents and neighbours.

We are hoping that this local project is of interest to the Ridge Landfill community Trust Fund. Please let us know how we can provide more information and be eligible for funding through the Trust.

We would appreciate the Landfill Trust's financial support of the purchase of the signs.

I look forward to hearing from you.





New contact form submitted: RIDGELANDFILL.COM

1 message



Fri, May 20, 2016 at 1:23 PM
progressivewaste.com,

I am inquiring if Progressive Waste Solutions would be willing to partner with our Non for Profit Hockey School that we are starting this summer or if there is an application I can fill out to see if we would be able to receive some funding from your company. We are set up as a not for profit corporation with a focus on building individuals who will hopefully back to our community in the future. We are totally flexible in the type and amount of sponsorship that you would like to contribute. The costs of running the camp will be between \$55000.00 and \$60000.00 for this year. If we have any proceeds after the camp completion, we will be using them to further the skill development of the South Kent Lightning Hockey Association throughout this coming season. Check out our website and let me know what you think! <http://goldenacreshockeyschool.com/>

Thanks you for taking the time to consider us!





New contact form submitted: RIDGELANDFILL.COM

1 message



Thu, Jun 9, 2016 at 3:34 PM

@progressivewaste.com,

Message: Hello, [redacted] a non-profit BMX Bicycle club located at 22843 Creek Road on land that we lease from the Thames Valley Conservation Authority. We are affiliated with Canada BMX and our website is <https://www.usabmx.com/tracks/1828>.

We have over 65 members ranging from under 5 to over 40 years and drawing from a wide area of Chatham-Kent. We will be holding our annual Provincial race during the week-end of June 17, 18, 19 that is our main fundraiser to support our activities.

Is there an opportunity for any funding from Progressive to support ongoing activities and/or for equipment/infrastructure needed to grow our footprint in Chatham-Kent and support kids, youth and adults in our community.

If it is possible, could you please forward application information to my attention.



Team Comment Tracking

Proposed Ridge Landfill Expansion

Name: [REDACTED]

Name of Meeting: OPEN HOUSE

Comment Received	Response Required	Contact Info
<p>put lot trees on the farm and let them grow tall & dense. You won't have to cut any grass & the trees will help hold the soil in place. provides esthetic view. Maybe it would break some wind & help keep garbage from blowing</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	jthom123@southkent.net
<p>I don't like the smell from the landfill.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	from blowing
<p>Start collecting the Biogas for good use.</p>		
<p>Implement stricter recycling in this community so it doesn't go to the landfill - <small>don't accept waste that is not recycled</small></p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>Cover garbage with something to seal it.</p>		



Team Comment Tracking

Proposed Ridge Landfill Expansion

Name: [REDACTED]

Name of Meeting: Public Meeting #1

Comment Received	Response Required	Contact Info
Request to hard surface Allison Line between Lagoon + ERICA. IS A MAIN Artery between	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Blenheim + the Landfill for our curbside trucks	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	



Team Comment Tracking

Proposed Ridge Landfill Expansion

Name: 

Name of Meeting: _____

Comment Received	Response Required	Contact Info
<p>Smell of the gas is concern already have a lagoon already lots of smell - live behind lagoon</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>- reduce is what should be done - don't build more - see Blenheim has enough - when it's damp outside can't go outside because of smell</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Team Comment Tracking

Proposed Ridge Landfill Expansion

Name: [REDACTED] _____

Name of Meeting: BLANTHIER, VTC.

Comment Received	Response Required	Contact Info
<p><i>ODOR is a major concern BOTH GARBAGE ODOR & occasional methane odour. Groundwater always a concern.</i></p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<div style="background-color: black; width: 100%; height: 40px;"></div>
	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	

Proposed Ridge Landfill Expansion
May 3, 2016 Public Open House

Comment Form



Your input is important to Progressive Waste Solutions. Please take a moment to fill out this comment form.

1. How did you hear about this Open House? (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: _____

2. Were you provided with enough information at this Open House to understand the project?

Yes

Somewhat

No

Please Explain why: _____

3. Please provide any comments on the proposed Ridge Landfill Expansion.

4. Please complete if you would like to be added to the contact list for this project:

Thank you for your input.

**Your completed form can be mailed/emailed to:
Or you can contact us through our website.**

Cathy Smith, Project Manager
Progressive Waste Solutions Canada Inc.
email: cathy.smith@progressivewaste.com
20262 Erieau Road, PO Box 1871, Blenheim,
Ontario, N0P 1A0

Proposed Ridge Landfill Expansion
May 3, 2016 Public Open House

Comment Form



Your input is important to Progressive Waste Solutions. Please take a moment to fill out this comment form.

1. How did you hear about this Open House? (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: _____

2. Were you provided with enough information at this Open House to understand the project?

Yes

Somewhat

No

Please Explain why: _____

3. Please provide any comments on the proposed Ridge Landfill Expansion.

I LIVE WITHIN A KM OF THE
LANDFILL & HAVE SOME REAL
CONCERNS ABOUT MY DEEP WELL
WHO IS GOING TO MONITOR IT?
MUNICIPAL WATER?

4. Please complete if you would like to be added to the contact list for this project:

[Redacted contact information]

Thank you for your input.

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Or you can contact us through our website.**

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Progressive Waste Solutions Canada Inc.
email: cathy.smith@progressivewaste.com
20262 Erieau Road, PO Box 1871, Blenheim,
Ontario, N0P 1A0

Comment Form



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1. How did you hear about this Open House? (please select one option)

- Newspaper Advertisement
- Letter
- Word of Mouth
- Other: _____

2. Were you provided with enough information at this Open House to understand the project?

- Yes
- Somewhat
- No

Please Explain why: _____

3. Please provide any comments on the proposed Ridge Landfill Expansion.

Questions were answered thank you.

4. Please complete if you would like to be added to the contact list for this project:



Thank you for your input.

**Your completed form can be mailed/emailed to:
Or you can contact us through our website.**

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Proposed Ridge Landfill Expansion
May 3, 2016 Public Open House

Comment Form



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1. How did you hear about this Open House? (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: _____

2. Were you provided with enough information at this Open House to understand the project?

Yes

Somewhat

No

Please Explain why: *Why expand the collection of waste to all across Ontario when keeping it local would allow the landfill to exist longer?*

3. Please provide any comments on the proposed Ridge Landfill Expansion.

When I can smell the strong odours from the landfill in the wind, is my health at risk?

What effect is your expansion going to have on our local traffic patterns?

*-really not ~~wanting~~ wanting waste to be brought here from outside southwestern Ontario; - especially from the U.S.A.
What effect will it have on the value of our property?*

4. Please complete if you would like to be added to the contact list for this project:



Thank you for your input.

Your completed form can be mailed/emailed to:
Or you can contact us through our website.

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Proposed Ridge Landfill Expansion

May 3, 2016 Public Open House

Comment Form



Your input is important to Progressive Waste Solutions. Please take a moment to fill out this comment form.

1. How did you hear about this Open House? (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: _____

2. Were you provided with enough information at this Open House to understand the project?

Yes

Somewhat

No

Please Explain why: Vague - still in planning stage

3. Please provide any comments on the proposed Ridge Landfill Expansion.

~ expansion to include household - worried about smell -

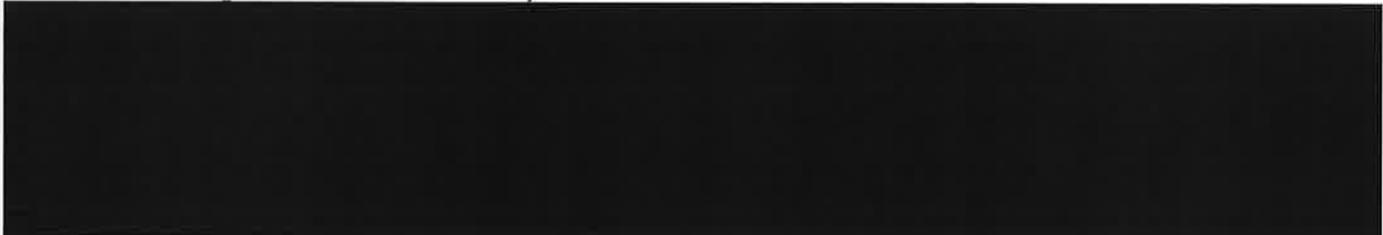
~ worried about ^{household} well on Middle Line

- concerned with property value

~ expansion is away from the airport - concerned over height of landfill

~ noise, truck traffic which are current issues

4. Please complete if you would like to be added to the contact list for this project: →



Thank you for your input.

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Comment Form

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1. How did you hear about this Open House? (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: _____

2. Were you provided with enough information at this Open House to understand the project?

Yes

Somewhat

No

Please Explain why: _____

3. Please provide any comments on the proposed Ridge Landfill Expansion.

*smell needs to be dealt with immediately
roads need to be maintained BETTER
plum & mud needs to be cleaned off road
regularly
methane issue needs to be utilized
in re useable resource*

4. Please complete if you would like to be added to the contact list for this project:

[Redacted contact information]

Thank you for your input.

Your completed form can be mailed/emailed to:

Or you can contact us through our website.

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Progressive Waste Solutions Canada Inc.
email: cathy.smith@progressivewaste.com
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Proposed Ridge Landfill Expansion
May 3, 2016 Public Open House

Comment Form



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1. How did you hear about this Open House? (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: _____

2. Were you provided with enough information at this Open House to understand the project?

Yes

Somewhat

No

Please Explain why: _____

3. Please provide any comments on the proposed Ridge Landfill Expansion.

I LIVE AT 8483 SIXTEENTH LINE. MY CONCERN
HAS ALWAYS BEEN PROPERTY VALUE DEPRECIATION
I AM COMPENSATED AS LEVEL 4 WHICH I FEEL DOES
NOT ADEQUATELY COMPENSATE ME FOR WHAT WE
HAVE TO LOOK AT FROM OUR PROPERTY. WE HAVE LIVED
AT THIS PROPERTY SINCE 1984. I HAVE VOICED MY CONCERNS
TO CATHY SMITH AND HOPE THAT MY CONCERNS WILL BE ADDRESSED

4. Please complete if you would like to be added to the contact list for this project:



Thank you for your input.

**Your completed form can be mailed/emailed to:
Or you can contact us through our website.**

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Comment Form



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1. How did you hear about this Open House? (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: _____

2. Were you provided with enough information at this Open House to understand the project?

Yes

Somewhat

No

Please Explain why: _____

3. Please provide any comments on the proposed Ridge Landfill Expansion.

Like the gas collection idea.

would like to see a 3 or 4 times a year collection of hazardous waste (paint, chemicals) instead of 1 a year by C-K

4. Please complete if you would like to be added to the contact list for this project:



Thank you for your input.

Your completed form can be mailed/emailed to:

Or you can contact us through our website.

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email: cathy.smith@progressivewaste.com
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Proposed Ridge Landfill Expansion

May 3, 2016 Public Open House

Comment Form



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1. How did you hear about this Open House? (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: PWS^{rep} visited but we weren't home - left card

2. Were you provided with enough information at this Open House to understand the project?

Yes

Somewhat

No

Please Explain why: _____

3. Please provide any comments on the proposed Ridge Landfill Expansion.

4. Please complete if you would like to be added to the contact list for this project:

Thank you for your input.

**Your completed form can be mailed/emailed to:
Or you can contact us through our website.**

Cathy Smith, Project Manager
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Comment Form

Your input is important to Progressive Waste Solutions. Please take a moment to fill out this comment form.

1. How did you hear about this Open House? (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: _____

2. Were you provided with enough information at this Open House to understand the project?

Yes

Somewhat

No

Please Explain why: STILL can't see were all the water from snow melting is going too go.

3. Please provide any comments on the proposed Ridge Landfill Expansion.

THE Landfill is bringing property value down on my Home;
THE Landfill should pay for the water-line to the people on
middle-line, I LIVE next too the Landfill and flooding is
going on every spring, THEY said it's covered every night.
but on a east wind it stinks, my neighbors are
being compensated for the dump, why are we not?

4. Please complete if you would like to be added to the contact list for this project:



Thank you for your input.

**Your completed form can be mailed/emailed to:
Or you can contact us through our website.**

Cathy Smith, Project Manager
Progressive Waste Solutions Canada Inc.
email: cathy.smith@progressivewaste.com
20262 Erieau Road, PO Box 1871, Blenheim,
Ontario, N0P 1A0

Proposed Ridge Landfill Expansion

June 28, 2016 Public Open House



Comment Form

Your input is important to Progressive Waste Solutions. Please take a moment to fill out this comment form.

1. How did you hear about this Open House? (please select one option)

Newspaper Advertisement

Word of Mouth

Letter

Other: _____

2. Were you provided with enough information at this Open House to understand the project?

Yes

Somewhat

No

Please Explain why: _____

3. The Environmental Assessment (EA) will consider the potential for impacts on the following: Biology, Geology, Surface Water, Air/Noise/Odour, Agriculture, Land Use, Economic, Archeology/Cultural Heritage, Social, Visual, Aviation & Bird Hazard, Traffic. Please identify which of these are most important to you and explain why.

Air/Noise/Odour - Because I live nearby
and I don't care for the smell.

Economic - concerned about decrease
in property values

4. Please provide any comments on the proposed scope of the Ridge Landfill Expansion EA. (please use the other side of this page if needed)

Thank you for your input.

Your completed form can be mailed/mailed to:

Cathy Smith, Project Manager
Progressive Waste Solutions Canada Inc.
Email: cathy.smith@progressivewaste.com
20262 Erieau Road, PO Box 1871, Blenheim,
Ontario, N0P 1A0

May 3, 2016

Ridge Landfill (Progressive Waste Solutions)



ATTN: Tim Kozlof:

Currently, we are at level 2 compensation on properties R30 and R30A (8954 and 8957 Allison Line). It is expected that as the landfill moves closer we will be receiving level 1 compensation due to the noise, dust, traffic, prevailing wind odours, and obstruction of view.

At this time, we understand that we have no property protection value for R30 and R30A. Now that our properties will be at the landfill's doorstep, we expect that these properties will now be protected.

When these changes occur, we would like to be notified in writing.

Our family has lived here long before the landfill existed, we have always been good neighbours with no complaints and have built a good relationship, we hope to continue on in the future.

Thank you for your time, awaiting your reply





Kolli, Karla <kkolli@dillon.ca>

Fwd: Ridge Landfill expansion comments

1 message

Kolli, Karla <kkolli@dillon.ca>
To: Karla Kolli <kkolli@dillon.ca>

Sat, Jun 18, 2016 at 12:27 PM

**Sent:** Thursday, May 26, 2016 12:51 PM
To: Cathy Smith
Subject: Ridge Landfill expansion comments

I am writing to oppose the proposed expansion of the Ridge Landfill.

According to the MOE, it is currently the largest operating landfill in Ontario, by a considerable margin.....almost half as large again as the next largest one. It also is already taking in as much or more than any other landfill in Ontario on an annual basis.

The notice in the paper indicated that the reason for the landfill expansion is to meet the needs of the municipality and Ontario. That is quite misleading, in my opinion.

Certainly it serves the needs of the municipality waste disposal requirements, as it should; also the local council has benefited (been bought off??) from the financial contributions and because of this financial infusion, will likely not oppose the expansion. However it is well known amongst C-K constituents that the C-K council is not an environmentally responsible one. Money talks much louder with them than any semblance of environmental responsibility!

However, I believe the real reason for expansion is to serve the needs of Ontario, i.e. Toronto and the GTA as well as other large centres in southwestern Ontario where local opposition to landfill expansion closer to home is more politically charged..

It is high time that Toronto/the GTA, etc found a better solution to their garbage disposal needs than to ship it to Chatham-Kent.

C-K should not be the dumping grounds for Toronto/the GTAs, etc waste.

The steady stream of large tractor-trailers hauling waste to C-K is impacting the traffic congestion on Hwy 401. This happens all year around, regardless of weather, and increases traffic hazards. It also increases the rate of deterioration of the road surface of Hwy 401, resulting in more maintenance costs. It also requires substantial fuel costs for all of that transport traffic.

C-K is an agriculturally based community. The landscape should be used for food production, not waste disposal.

In summary, C-K has more than paid its dues to benefit Toronto, the GTA etc for several years. The Ridge Landfill should be used primarily to benefit the residents of C-K, and I oppose the proposed expansion.

Sincerely,



Dear Sirs,

Our family, to my knowledge is the only century farm bordering the landfill. Our family has been here since 1881. My children are now the sixth generation to live here. We have, through our personal love of the land had our children grow up with a love for the same land there great great grandparents farmed.

I have now taken over the land my father got from his father who got it from his father who got it from his father. It was my hope that if any or all of my three children wanted to farm, there would be our family farm and business to be passed down to them.

Likewise over the past 100 years we have been in the fruit business, with generations of customers dealing with our family.

You are now proposing to expand your landfill to a very close proximity to our two family homes and our market. We will suffer a great deal of social impact. Our homes and business will be the closest to the expanded landfill. The expanded landfill will be active. We will become the most significantly affected neighbours to the landfill.

The loss of enjoyment of our property is certainly a social impact.

I cannot ever see my mother or myself leaving this land. I am too deeply attached.

Our children will no longer have the long held passion to inherit this farm. The expansion will certainly hurt and may destroy our family's little oasis of history that has existed for over 130 years. We sincerely believe that we are the people most affected by the expanded landfill. We believe that our category for compensation should reflect that reality.



Municipal Councillor



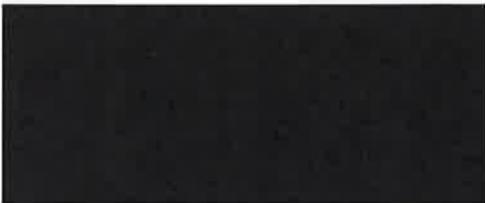
This communication may be confidential and subject to the Municipal Freedom of Information and Protection of Privacy Act (Ontario). Unauthorized use is strictly prohibited. If you are not the intended recipient, please delete this email immediately.

From: noreply@chatham-kent.ca [mailto:noreply@chatham-kent.ca]

Sent: Tuesday, April 26, 2016 2:26 PM

To: COUNCIL

Subject: Contact Council Form Submitted from Chatham-Kent Website



Comments: I seen that there is a request for an expansion to the ridge land fill for 20 years 250 acres and allowing the site to receive larger volumes of waste from a larger area I know that the municipality has received a lot income from the tipping fees from the operation of the site however I believe that eventually this expansion will come back to haunt us It has become an eye site soar and once in a while it smells should it start to smell as bad as the waste site south west of London property values in the Blenheim and surrounding area will be affected to the point that they may become difficult to sell or if so a great discounted rates This of course would lead to lower assesment rates thus less taxes for the municipality let alone the fact that the property owners would lose a great amount of equity in their property. I realize that these things cannot be changed over night however sooner or later the question has to be addressed of how many times is site going to expand how big is going to get and how bad is going to affect the community its located in. As I mentioned before I know these things cannot be changed over night The expansion should only be allowed for ten years and for no larger volumes of waste than it receives today This would give the province and the site owners a ten year window for a new site. I believe the residence of Chatham Kent has done their share of accepting responsibility for accepting waste from other areas its time for these other areas and the province to step up to the plate and find a new site The old excuse about not finding a new site no longer applys It hasn't been that many years since the beginning of the operation of this site and if you drive by it you would be amazed how big it is just imagine another 20 years with larger volumes of waste how big this site will be. I would urge council to seriously consider any support of this expansion as it is presented today And think of the future of the community 20 or 30 or even 50 years from now





New contact form submitted: RIDGELANDFILL.COM

1 message



Wed, Jun 22, 2016 at 6:48 PM

@progressivewaste.com,



Message: How can I apply for employment with your company?



[Redacted]

New contact form submitted: RIDGELANDFILL.COM

1 message

[Redacted]

Mon, Jul 4, 2016 at 8:47 PM

@progressivewaste.com,

[Redacted]

Message: Can I get a quote a small trailer of asphalt shingles

would cost

[Redacted]



New contact form submitted: RIDGELANDFILL.COM

1 message

Thu, Jul 21, 2016 at 10:13 AM

@progressivewaste.com,

 Message: Hi,

I am looking at getting a quote for disposal of contaminated waste for a demolition project. Please have someone contact me ASAP.





New contact form submitted: RIDGELANDFILL.COM

1 message

Wed, Jul 27, 2016 at 9:14 PM

[REDACTED]@progressivewaste.com,

[REDACTED] Message: Ridge Landfill

My house is located 3200 ft. from your property at [REDACTED] I have not complained a lot about the landfill but that does not mean that it does disrupt our Bruschetta lives. The smell at times is unbearable and the noise is getting more noticeable as you progress further to the south as you are doing already. We cannot sit on the deck in the morning without hearing the constant noise from your mountain of garbage. Our concern with this proposed expansion is that the smell is going to get more frequent as the winds will definitely send it our way more often as the pile gets closer to our house. Also the noise will naturally get louder as you get closer. This spring we were outside and the dust from the landfill came all the way to our property. It was a calm morning and you could see the cloud of dust closing in on us. Blowing garbage is another concern as it ends up in our fields. Yes you do pick some of it up but we get to pick the rest out of our fields and out of o

ur equipment. We have a beautiful home and built a nice farmstead but are concerned as the expansion brings the pile closer to us the value of our property will be greatly affected. Also the proposal to relocate the wooded area that is in the southeast corner by planting trees in a different spot is ridiculous. How do you relocate a wooded area that's been here for centuries? The trees look pretty healthy from my observations and to destroy that would be a shame.

[REDACTED]



New contact form submitted: RIDGELANDFILL.COM

1 message



Thu, Jul 28, 2016 at 12:00 PM

@progressivewaste.com,

Message: What is the cost to drop off a regular house waste bag and recycling. We are at a cottage and are not sure where to take it.



New contact form submitted: RIDGELANDFILL.COM

1 message



Thu, Sep 1, 2016 at 11:43 AM

@progressivewaste.com,



Message: Hello, I was wondering who I may contact to submit a resume to. I am a certified heavy equipment operator. Thank you and have a good day!



New contact form submitted: RIDGELANDFILL.COM

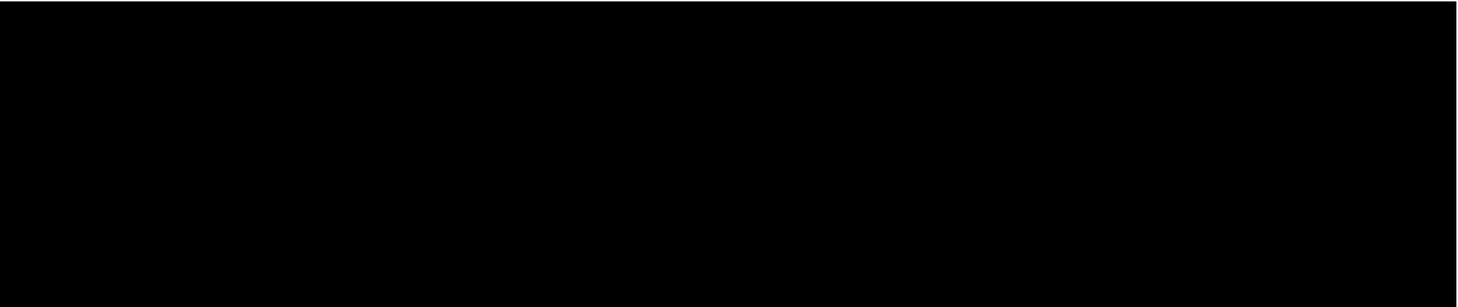
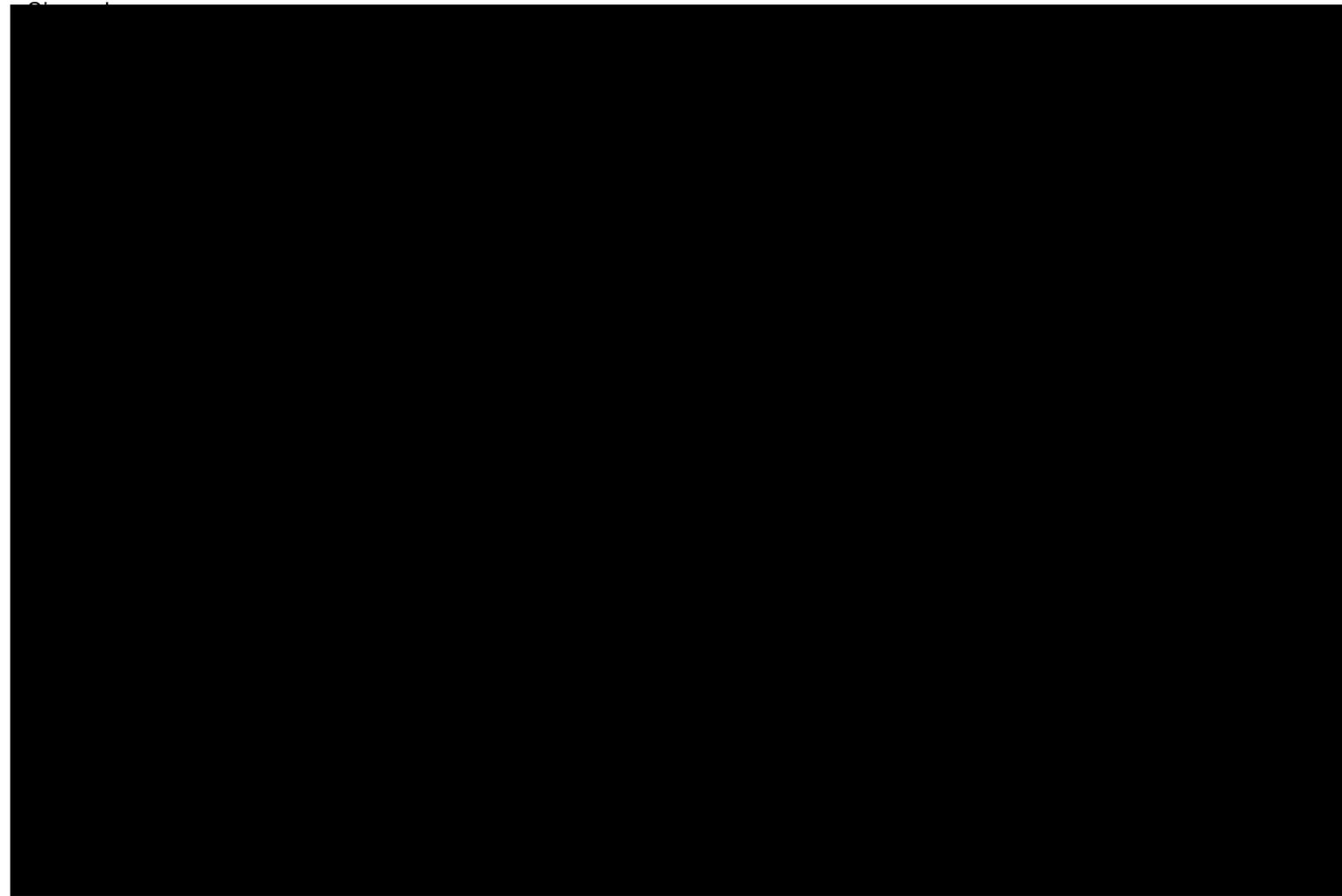


Thu, Sep 8, 2016 at 12:48 PM
com,



Message: Good Afternoon,

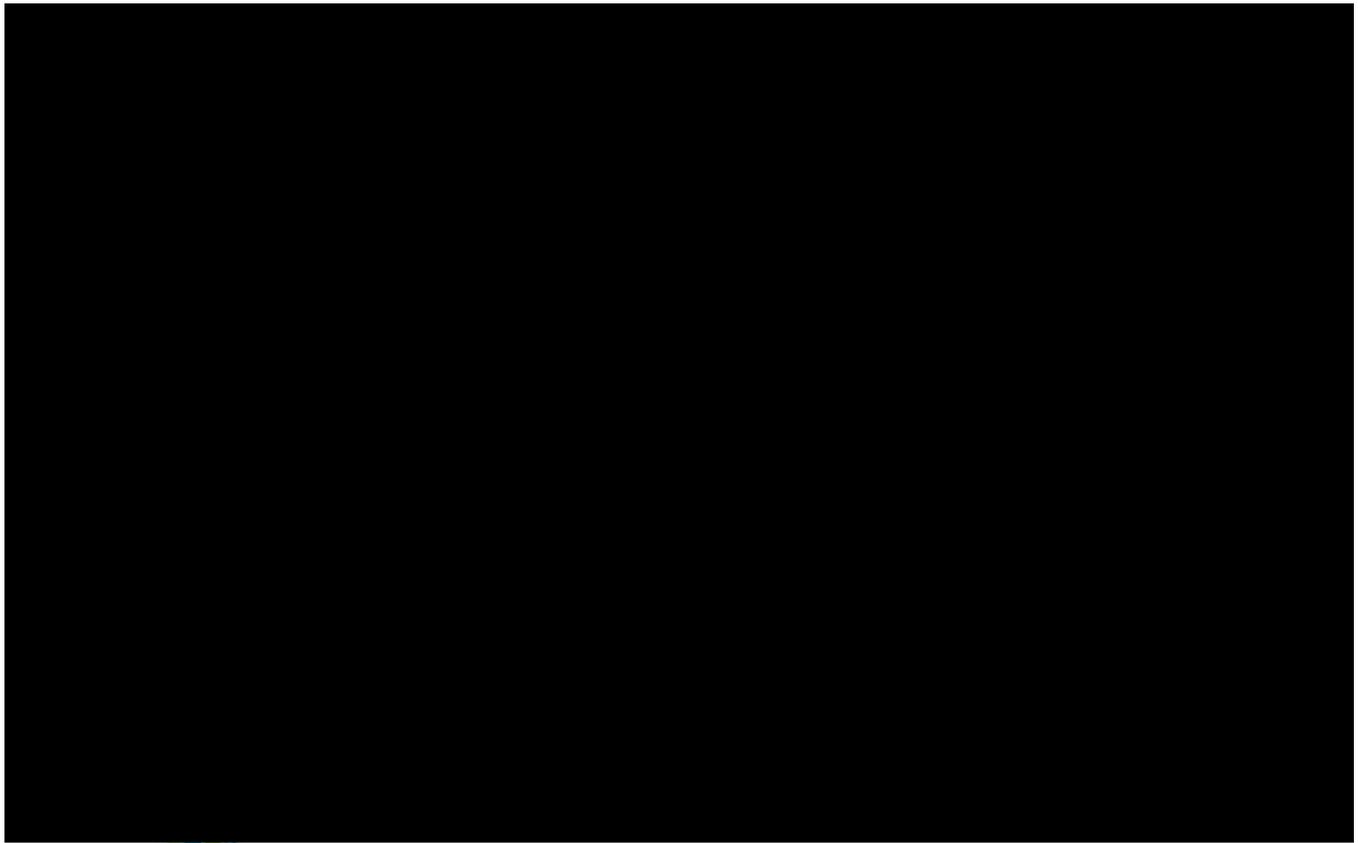
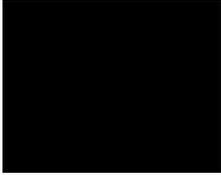
I tried emailing the address located on this page, but it always bounces back. I am currently seeking full-time employment, I have attached my resume and cover letter outlining my experience and qualifications in the agricultural and office fields. I look forward to hearing from you in the near future to discuss my experience and qualifications. Thank you and have a great day.



I am inquiring on how to go about applying for sponsorship donations on behalf of the Blenheim YBC (youth bowling) league. It appears our current coordinator may not be returning this season and has not done any preparations or fundraising to get the season started.

Do you have an application form for this? (sorry, I have never had to do this before) Is there a deadline for applications?

Any help would be appreciated as our kids love to bowl and we try to keep it affordable for all families for these children to attend the many tournaments throughout the season.





RE: New contact form submitted: RIDGELANDFILL.COM

1 message

Cathy Smith <cathy.smith@progressivewaste.com>

Tue, Oct 25, 2016 at 1:27 PM

To: hammerby@regis.com; hammerby@regis.com

Hello Mr. Maris, we will certainly include you on our contact list with respect to the EA project moving forward.

Regards,

Cathy

Cathy Smith HBA , MA, ENV SP

Project Manager - Ridge Landfill Expansion

T: 519 676 5000 | F: 519 745 4934 | C: 519 358 2860

Progressive Waste Solutions | 20262 Erieau Road | Blenheim,
Ontario, NOP 1A0 www.progressivewaste.com



From: [Redacted]

Sent: Tuesday, October 25, 2016 12:44 PM

To: wescmuir@gmail.com; ridgelandfill@bficanada.com; Tim Kozlof; Cathy Smith; [Redacted]

Subject: New contact form submitted: RIDGELANDFILL.COM

[Redacted] Message: I am the executive director of the Chatham Kent Essex Association of Christian Farmers (CKE CFFO). Please add me to your contact list for distribution of information about this process. My phone number is [Redacted]

Appendix F

Indigenous Community Letters

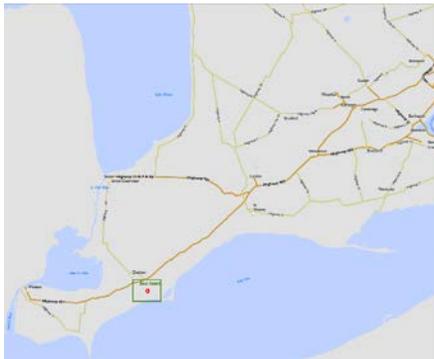
April 7, 2016

Chief Tom Bressette
Kettle and Stony Point First Nation
6247 Indian Lane,
Ontario, N0N 1J1

Dear Chief Bressette:

I have been engaged by Progressive Waste Solutions Canada Inc (PWS) to help support discussions with indigenous communities with respect to future plans for PWS's Ridge Landfill near Blenheim, Ontario. It is our desire to meet with you to discuss these future plans and to gather your preliminary thoughts. PWS intends to make formal public notification in the next week to 10 days but would be pleased to arrange confidential discussions with your First Nation with respect to the proposed project.

The Ridge Landfill is located at 20262 Erieau Road, Blenheim, Ontario, (see maps) which may be within your traditional territory.



I along with representatives of PWS respectfully request an opportunity to meet with you and/or to discuss the project by phone at your discretion. If you prefer to meet in person could you please kindly suggest available dates that I can convey to the rest of our project team.

I can be reached at 416-920-0716 ext. 239, by cell phone at 705-746-0638 or at jbeaucage@counselpa.com.

Respectfully,

Handwritten signature of John Beaucage in blue ink.

John Beaucage
Principal
Counsel Public Affairs Inc.
1606-95 St. Clair Avenue West
Toronto, Ontario M4V 1N6

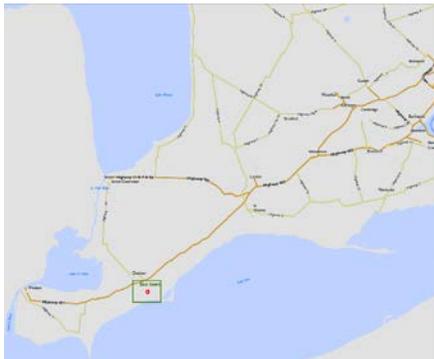
April 7, 2016

Chief Christopher Plain
Aamjiwnaang First Nation
978 Tashmoo Avenue
Sarnia, Ontario, N7T 7H5

Dear Chief Plain:

I have been engaged by Progressive Waste Solutions Canada Inc (PWS) to help support discussions with indigenous communities with respect to future plans for PWS's Ridge Landfill near Blenheim, Ontario. It is our desire to meet with you to discuss these future plans and to gather your preliminary thoughts. PWS intends to make formal public notification in the next week to ten days but would be pleased to arrange confidential discussions with your First Nation with respect to the proposed project.

The Ridge Landfill is located at 20262 Erieau Road, Blenheim, Ontario, (see maps) which may be within your traditional territory.



I along with representatives of PWS respectfully request an opportunity to meet with you and/or to discuss the project by phone at your discretion. If you prefer to meet in person could you please kindly suggest available dates that I can convey to the rest of our project team.

I can be reached at 416-920-0716 ext. 239, by cell phone at 705-746-0638 or at jbeaucage@counselpa.com.

Respectfully,

A handwritten signature in blue ink, appearing to read 'J. Beaucage'.

John Beaucage
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Toronto, Ontario M4V 1N6

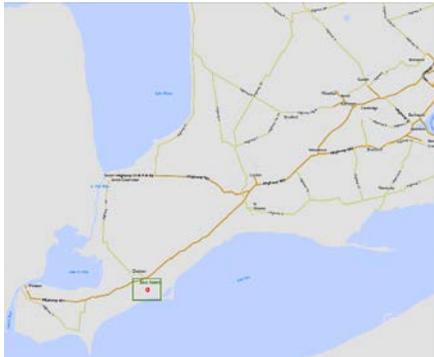
April 7, 2016

Chief Louise Hillier
Caldwell First Nation
P.O. Box 388
Leamington, Ontario
N8H 3W3

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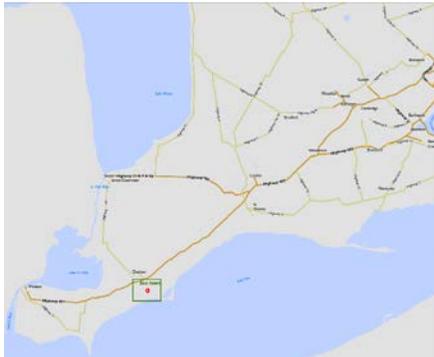
April 7, 2016

Regional Chief Isadore Day
Chiefs of Ontario
111 Peter Street, Suite 804
Toronto, Ontario, M5V 2H1

Dear Regional Chief Day:

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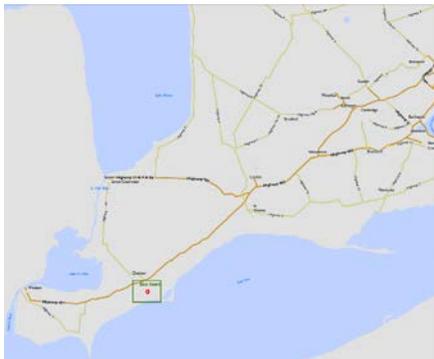
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Chippewas of the Thames First Nation
320 Chippewa Road
Muncey, Ontario
N0L 1Y0

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April 7, 2016

Mr. Aly N. Alibhai
Director, Lands, Resources and Consultations
Metis Nation of Ontario
75 Sherbourne Street, Suite 311
Toronto, Ontario
M5A 2P9

Dear Mr. Alibhai:

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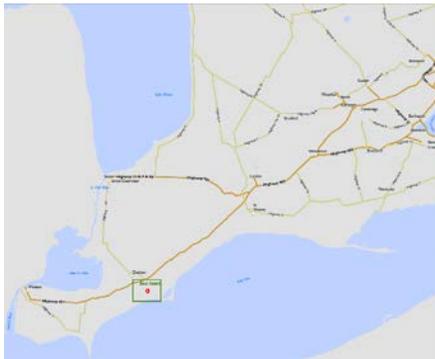
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Moravian of the Thames First Nation
14760 Schoolhouse Line, RR#3
Thamesville, Ontario N0P 2K0

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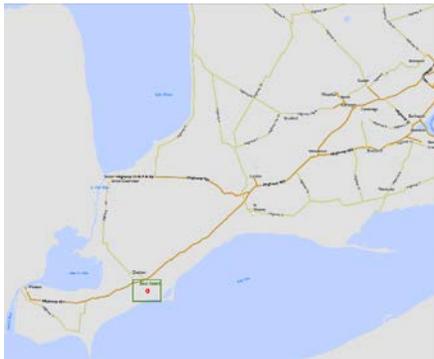
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Munsee Delaware Nation
R.R. # 1
Muncey, Ontario, N0L 1Y0

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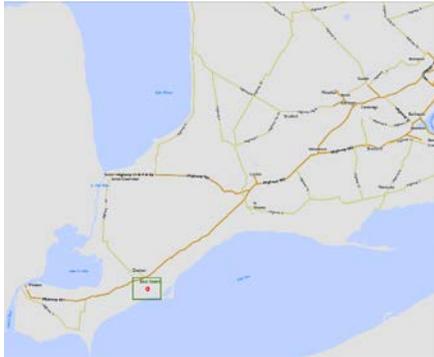
April 7, 2016

Chief Sheri Doxtator
Oneida of the Thames
2212 Elm Avenue,
Southwold, Ontario N0L 2G0

Dear Chief Doxtator:

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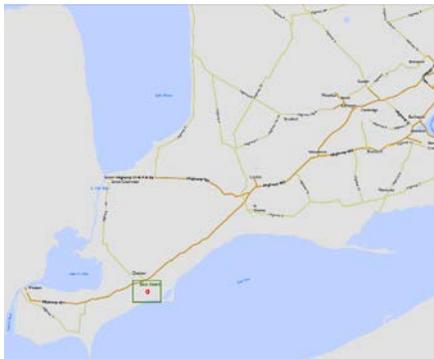
April 7, 2016

Chief Dan Miskokomon
Walpole Island First Nation
Walpole Island Heritage Centre
R.R. #3 Wallaceburg, Ontario
N8A 4K9

Dear Chief Miskokomon:

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April 18, 2016

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There is a two-step process to obtain approval for the expansion. The first involves the preparation of an Environmental Assessment (EA) Terms of Reference (ToR) which outlines the road map for the EA. Once this road map is approved by the Ministry of the Environment and Climate Change, the second step is conducting the EA. The EA will look at the need for and opportunities associated with the Ridge Landfill, different ways to develop the facility, the potential for environmental effects and how effects would be mitigated.

Input is important to the development of the expansion plans for the Ridge Landfill and we welcome an opportunity to meet with you. We know that people may have questions and want to know that the environment will be protected. These issues and others will be addressed through a transparent process to develop a facility that maximizes the resource benefits from the waste materials and minimizes negative impacts on the environment and our community.

The public consultation process will begin with an Open House on May 3rd at St. Mary's Hall, 94 George Street, Blenheim from 5:00 to 8:00 pm. A second Open House will be occurring approximately a month later.

If you have questions and/or comments, we would be pleased to meet with you to discuss. You may also wish to visit their website – www.ridgelandfill.com. I will follow up with your office.

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April 18, 2016

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320 Chippewa Road
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April 18, 2016

Chief Tom Bressette
Kettle and Stony Point First Nation
6247 Indian Lane,
Ontario, N0N 1J1

Dear Chief Bressette:

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There is a two-step process to obtain approval for the expansion. The first involves the preparation of an Environmental Assessment (EA) Terms of Reference (ToR) which outlines the road map for the EA. Once this road map is approved by the Ministry of the Environment and Climate Change, the second step is conducting the EA. The EA will look at the need for and opportunities associated with the Ridge Landfill, different ways to develop the facility, the potential for environmental effects and how effects would be mitigated.

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The public consultation process will begin with an Open House on May 3rd at St. Mary's Hall, 94 George Street, Blenheim from 5:00 to 8:00 pm. A second Open House will be occurring approximately a month later.

If you have questions and/or comments, we would be pleased to meet with you to discuss. You may also wish to visit their website – www.ridgelandfill.com. I will follow up with your office.

I can be reached at 416-920-0716 ext. 239, by cell phone at 705-746-0638 or at jbeaucage@counselpa.com.

Respectfully,

A handwritten signature in blue ink, appearing to read 'JB', with a stylized flourish extending from the end.

John Beaucage
Principal
Counsel Public Affairs Inc.
1606-95 St. Clair Avenue West
Toronto, Ontario M4V 1N6

April 18, 2016

Chief Sheri Doxtator
Oneida of the Thames
2212 Elm Avenue,
Southwold, Ontario N0L 2G0

Dear Chief Doxtator:

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April 18, 2016

Chief Dan Miskokomon
Walpole Island First Nation
Walpole Island Heritage Centre
R.R. #3 Wallaceburg, Ontario
N8A 4K9

Dear Chief Miskokomon:

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Principal
Counsel Public Affairs Inc.
1606-95 St. Clair Avenue West
Toronto, Ontario M4V 1N6

May 11, 2016

Chief Christopher Plain
Aamjiwnaang First Nation
978 Tashmoo Avenue
Sarnia, Ontario, N7T 7H5

Dear Chief Plain:

Re: Ridge Landfill Expansion, Blenheim, Ontario

As a follow up to my earlier letter, I want to advise you that Progressive Waste Solutions (PWS) held a well-attended (60 participants) Open House on May 3rd at St. Mary's Hall, 94 George Street, Blenheim from 5:00 to 8:00 pm. A series of information boards were presented with background information about PWS, the 50-year history of the Ridge Landfill, its environmental management systems, alternatives for expansion, the Terms of Reference and Environmental Assessment process and anticipated process schedule.

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Respectfully,



John Beaucage
Principal, Counsel Public Affairs Inc.
1606-95 St. Clair Avenue West
Toronto, Ontario M4V 1N6

May 11, 2016

Chief Gregory Peters
Moravian of the Thames First Nation
14760 Schoolhouse Line, RR#3
Thamesville, Ontario N0P 2K0

Dear Chief Peters:

Re: Ridge Landfill Expansion, Blenheim, Ontario

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Respectfully,



John Beaucage
Principal, Counsel Public Affairs Inc.
1606-95 St. Clair Avenue West
Toronto, Ontario M4V 1N6

May 11, 2016

Chief Louise Hillier
Caldwell First Nation
P.O. Box 388
Leamington, Ontario
N8H 3W3

Dear Chief Hillier:

Re: Ridge Landfill Expansion, Blenheim, Ontario

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Principal, Counsel Public Affairs Inc.
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Toronto, Ontario M4V 1N6

May 11, 2016

Regional Chief Isadore Day
Chiefs of Ontario
111 Peter Street, Suite 804
Toronto, Ontario, M5V 2H1

Dear Regional Chief Day:

Re: Ridge Landfill Expansion, Blenheim, Ontario

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John Beaucage
Principal, Counsel Public Affairs Inc.
1606-95 St. Clair Avenue West
Toronto, Ontario M4V 1N6

May 11, 2016

Chief Leslee White-Eye
Chippewas of the Thames First Nation
320 Chippewa Road
Muncey, Ontario
N0L 1Y0

Dear Chief White-Eye:

Re: Ridge Landfill Expansion, Blenheim, Ontario

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Toronto, Ontario M4V 1N6

May 11, 2016

Chief Tom Bressette
Kettle and Stony Point First Nation
6247 Indian Lane,
Ontario, N0N 1J1

Dear Chief Bressette:

Re: Ridge Landfill Expansion, Blenheim, Ontario

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Principal, Counsel Public Affairs Inc.
1606-95 St. Clair Avenue West
Toronto, Ontario M4V 1N6

May 11, 2016

Mr. Aly N. Alibhai
Director, Lands, Resources and Consultations
Metis Nation of Ontario
75 Sherbourne Street, Suite 311
Toronto, Ontario
M5A 2P9

Dear Mr. Alibhai:

Re: Ridge Landfill Expansion, Blenheim, Ontario

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1606-95 St. Clair Avenue West

May 11, 2016

Chief Roger Thomas
Munsee Delaware Nation
R.R. # 1
Muncey, Ontario, N0L 1Y0

Dear Chief Thomas:

Re: Ridge Landfill Expansion, Blenheim, Ontario

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Oneida of the Thames
2212 Elm Avenue,
Southwold, Ontario N0L 2G0

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May 11, 2016

Chief Dan Miskokomon
Walpole Island First Nation
Walpole Island Heritage Centre
R.R. #3 Wallaceburg, Ontario
N8A 4K9

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Toronto, Ontario M4V 1N6



MEETING MINUTES

PROJECT: Ridge Landfill EA – Project Introduction Meeting

DATE/TIME: June 27, 2016, 9:00 am to 10:00 am

LOCATION: 14 Orange Street, Leamington, ON N8H 1P5

PRESENT: Chief Louise Hillier (Caldwell), Councillor Lonnie Dodge (Caldwell), Councillor Janne Peters (Caldwell), Councillor James Peters (Caldwell), Mary Frances Duckworth (Caldwell), John Beaucage (Counsel Public Affairs), Cathy Smith (PWS), Tim Kozlof (PWS), Megan Bellamy (Dillon Consulting)

Introductions

All attendees introduced themselves, what organization they were representing, and what their goals were for the meeting.

History of Caldwell First Nation

- Point Pelee was the traditional home of the Caldwell. They were burned out by the RCMP in the 1920's.
- Representatives of the Caldwell First Nation travelled to Ottawa to speak with the Minister of Indian Affairs and appeal to him to call an election. The current Chief (Chief Hillier) was elected in 2007.
- The Caldwell First Nation purchased their community centre in 2010.
- The Caldwell First Nation have shown great resiliency throughout their history, and want to approach this meeting in the spirit of collaboration with PWS.

Presentation: The Ridge Landfill Expansion

- Progressive Waste Solutions Canada Inc. (PWS) is one of the largest waste management companies in Canada. PWS employs 60 people in the Municipality of Chatham-Kent.
- The Ridge Landfill has been operating since 1966 and PWS took ownership approximately 10 years ago. The landfill accepts industrial, commercial and institutional (IC&I) waste from all of Ontario and residential waste from Chatham-Kent and the surrounding counties of Essex, Middlesex, Lambton, and Elgin.

- A previous Environmental Assessment (EA) was completed in 1998 to expand the landfill to its current permitted area. The landfill is now expected to reach capacity by 2022.
- The purpose of this EA is to expand the life of the landfill by another 20 years to 2041. The annual fill rate would remain the same at 1.3 million tonnes per year.
- Chief Hillier asked about stormwater management for the new portion of the site. PWS explained that the stormwater management facility would be sized appropriately during detailed design and that the current system includes controlled runoff of surface water into 5 ponds. The water is tested before it is released to a surface drain that runs around the outside of the landfill. It is noted that surface runoff doesn't come into contact with the waste. Water that does come into contact with the waste goes to the Blenheim wastewater lagoons. It was noted that groundwater quality is also independently monitored with results submitted to the MOECC annually. This monitoring has been taking place for over 50 years and has consistently been in compliance with Ministry standards.
- Dillon described the natural environment studies that have taken place so far at the site. These included botanical surveys, ecological land classification, amphibian and breeding bird surveys, and bat acoustic monitoring of the southeast and southwest woodlots. The woodlots are approximately 7 and 4 ha, respectively. PWS offered a tour of the site.

Other Items

- Chief Hillier asked what kind of grasses were in the seed mix on the Old Landfill. PWS will need to confirm but indicated there have been no issues with invasive species.
- It was asked if PWS employs any First Nations people locally. PWS indicated that it is difficult to determine this because they don't want to ask people to self-identify. Chief Hillier mentioned that First Nations have had employment at other landfill sites picking up litter and helping with bird management.
- PWS indicated they would reach out to Caldwell First Nation about potential sponsorship opportunities.
- PWS indicated they do educational outreach programs at the University of Guelph's Ridgetown campus.

Action Items

Action	Responsible Party
Follow up regarding grass seed mix at Ridge.	PWS
Follow up regarding potential sponsorship opportunities.	PWS

Errors and/or Omissions: For any errors and/or omissions, please contact Megan Bellamy (416-229-4647, Ext. 2423) or mbellamy@dillon.ca

Ridge Landfill Expansion

A presentation to the Caldwell First Nation

June 27, 2016



Progressive
Waste Solutions

The Ridge Landfill Open House

About Progressive Waste Solutions

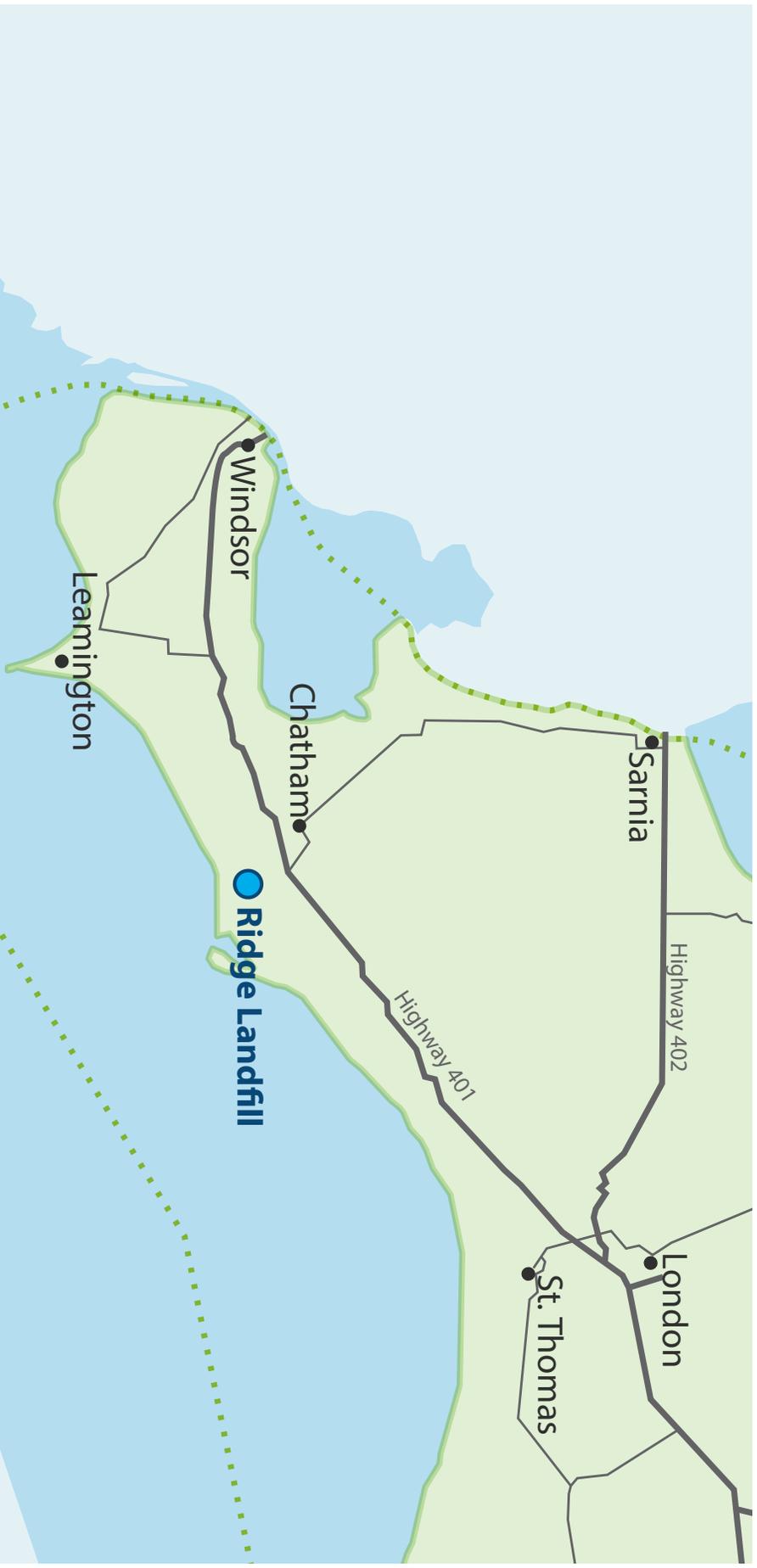


- Progressive Waste Solutions is a leading provider of comprehensive waste management services in Ontario as well as across Canada.
- We have earned a highly valued reputation for environmental protection, waste diversion and recycling and development of renewable energy projects.
- We are committed to the most environmentally responsible management practices.
- Progressive Waste Solutions is a growing company that employs over 60 persons in the Municipality of Chatham-Kent.



More detailed information is contained in the draft Terms of Reference at www.ridge landfill.com

The Ridge Landfill



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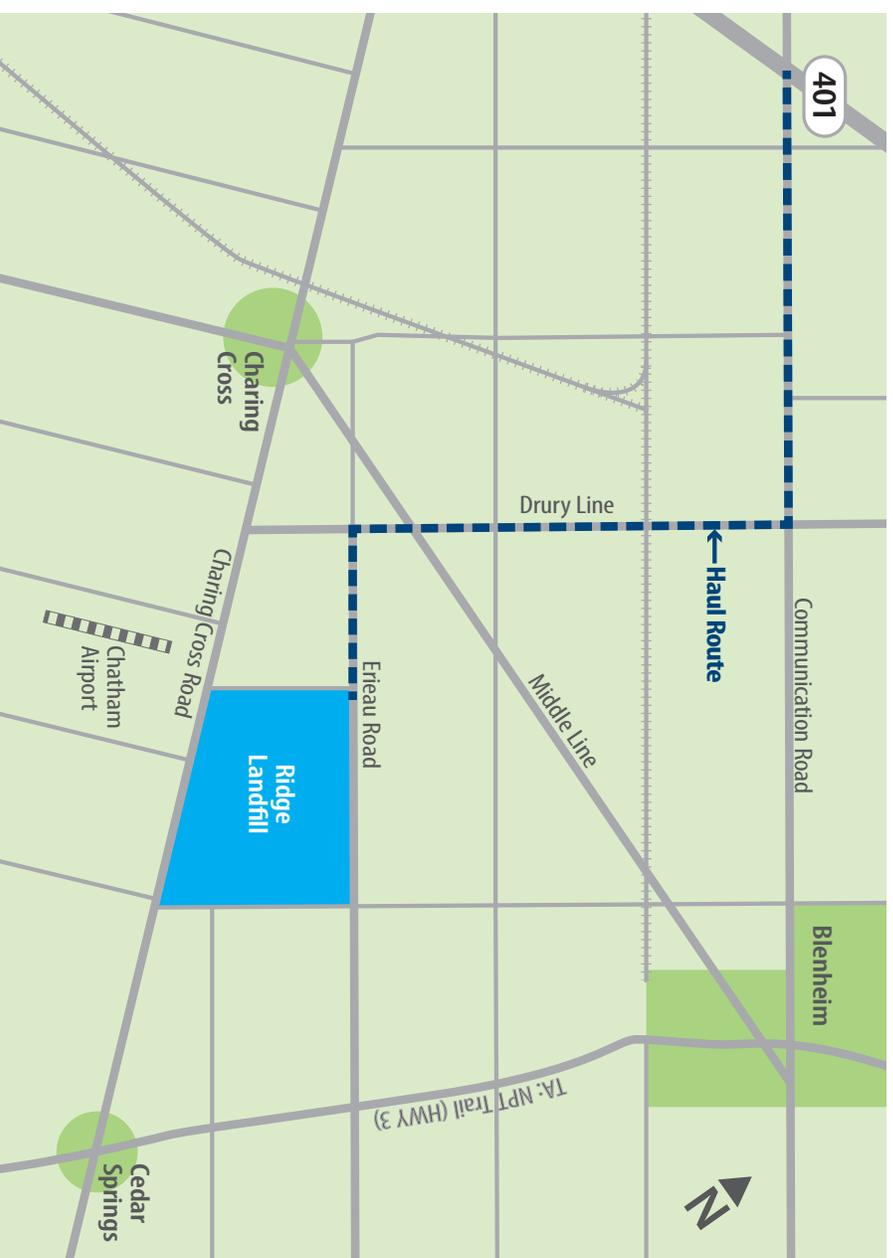
The Ridge Landfill Open House

The Ridge Landfill



Progressive
Waste Solutions

- Landfill operations began in 1966.
- Progressive Waste Solutions takes ownership and operation in 2005.
- The facility employs 23 persons.
- The Ridge Landfill receives all Chatham-Kent residential waste, and industrial commercial waste from across Ontario.
- The landfill is expected to reach capacity in 2022.



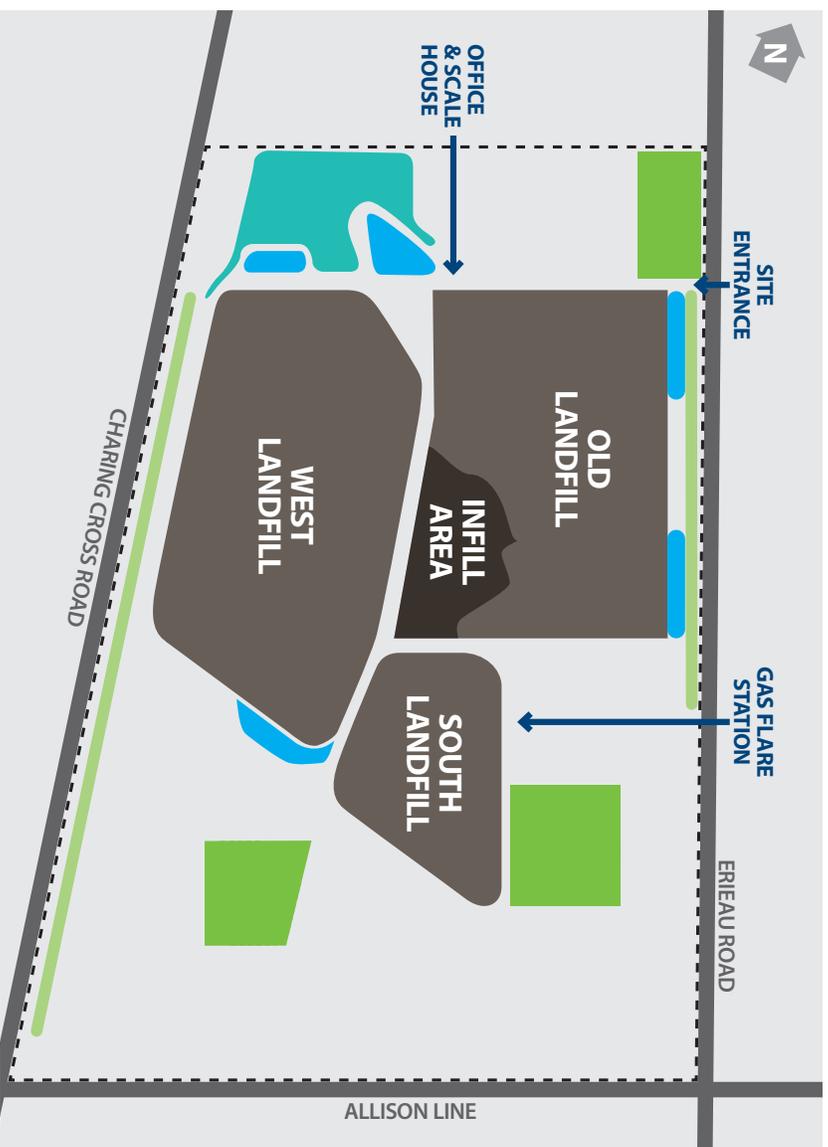
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The Ridge Landfill Open House

Current Landfill Site Operations



Progressive
Waste Solutions



-  Approved Waste Disposal Area
-  Infill Area
-  Existing Woodlot Area
-  Existing Flood Control Facility
-  Existing Stormwater Pond
-  Existing Berm
-  Progressive Waste Property Line

More detailed information is contained in the draft Terms of Reference at www.ridgelandfill.com

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

Our Future Plans



Progressive
Waste Solutions

Progressive Waste Solutions is proposing to expand the life of the Ridge Landfill for an additional 20 years following stringent Ontario Ministry of Environment and Climate Change landfill regulations.

The annual permitted disposal capacity will not increase. Progressive Waste Solutions will continue to accept industrial and commercial waste from across the province and will seek to expand its service area for residential waste across Ontario.

The expansion would also include a public drop-off depot to allow residents to divert materials which are not being collected in the current residential recycling program as well as the construction of a new community activity centre.

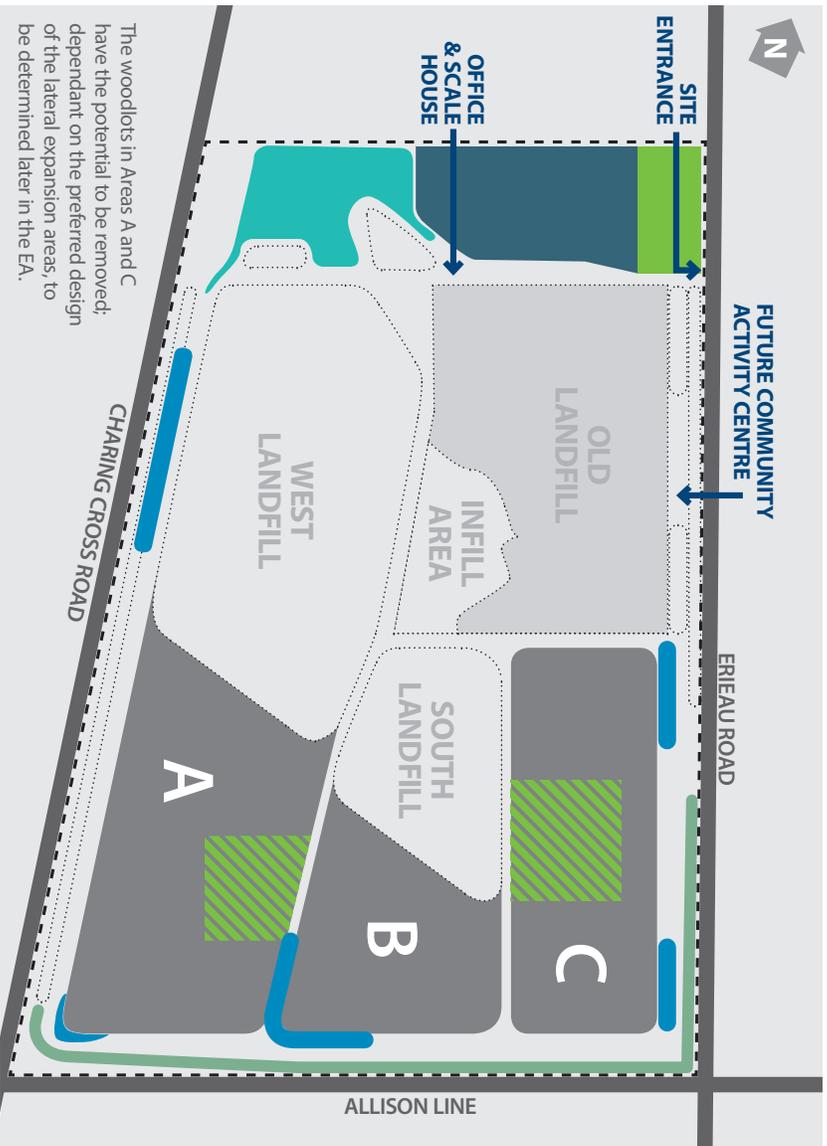
As a separate undertaking, Progressive Waste Solutions plans to develop a biogas facility to convert landfill gas into pipeline quality natural gas which would be the largest biogas facility in Ontario and one of the largest in North America. We already operate a similar biogas facility at our Lachenaie Landfill in Quebec.



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What will the EA Look At?

The Proposed Expansion



The woodlots in Areas A and C have the potential to be removed; dependant on the preferred design of the lateral expansion areas, to be determined later in the EA.

- Potential Lateral Expansion Areas
- Potential Vertical Expansion/
Landfill Mining Area
- Existing Woodlot Area
- Potential Flood Control/
Woodlot Compensation Area
- Existing Flood Control Facility
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Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

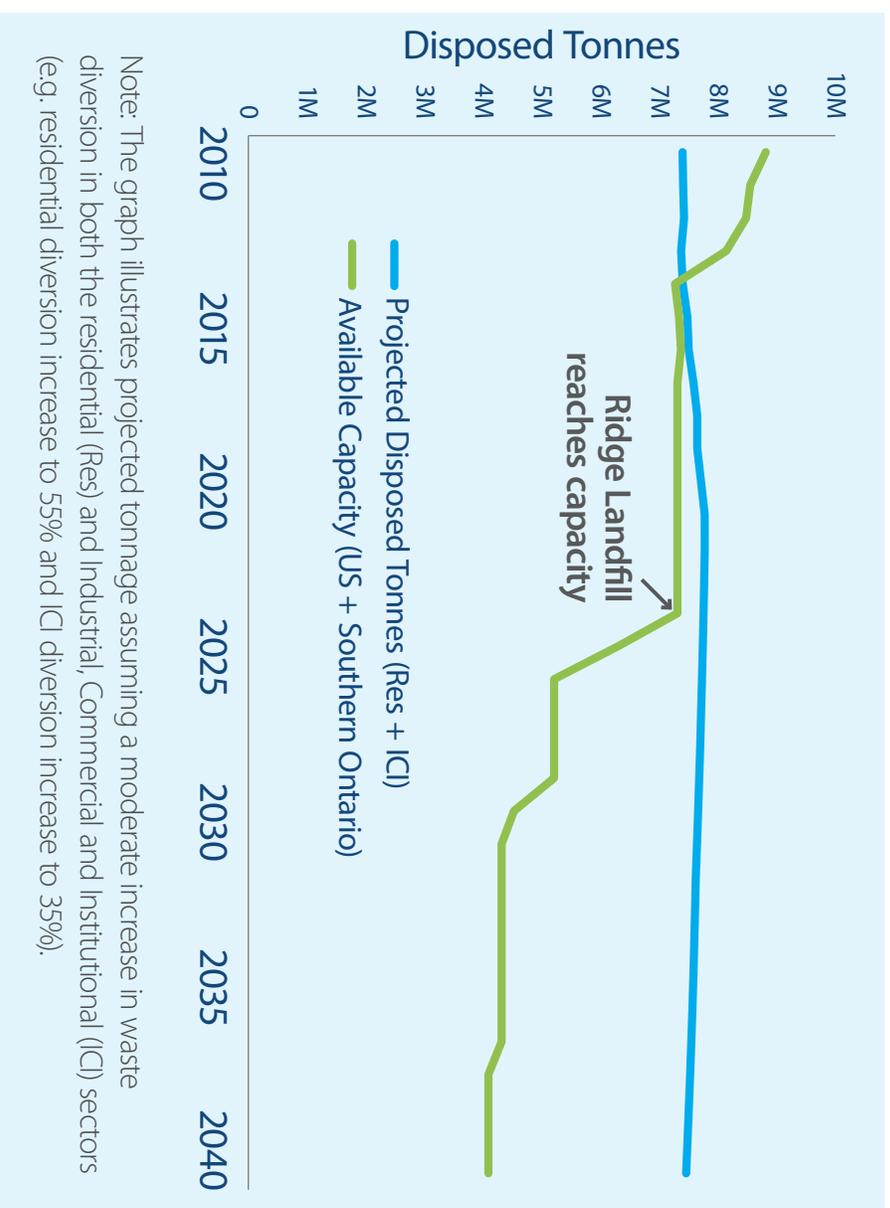
Need for More Capacity



Progressive
Waste Solutions

Despite increased waste diversion, over seven million tonnes of residual waste is disposed of annually in Ontario and the U.S. With provincial population growth, this need is expected to continue.

With the expected closure of existing Ontario landfill sites over the next 10 years (which would include the Ridge Landfill reaching capacity in 2022), it is estimated that there will be a need for new or expanded waste disposal facilities in Southern Ontario.



Note: The graph illustrates projected tonnage assuming a moderate increase in waste diversion in both the residential (Res) and Industrial, Commercial and Institutional (ICI) sectors (e.g. residential diversion increase to 55% and ICI diversion increase to 35%).

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Alternatives to Expansion



Progressive Waste Solutions considered alternative ways to continue to provide waste disposal services:

<p>Do nothing</p> <p>Involves closing the Ridge Landfill. This alternative does not provide capacity to meet the long term waste disposal needs for Chatham-Kent and Southern Ontario.</p>	<p>Close Ridge Landfill and construct a new landfill</p> <p>Involves finding a new landfill site location. Past work demonstrates that there is no location for a landfill site in Southern Ontario that is equivalent to or better than the Ridge. Progressive Waste Solutions does not own any other property suitable for landfill in Southern Ontario.</p>	<p>Expand Ridge Landfill</p> <p>Involves expanding the Ridge Landfill. This alternative provides capacity to meet the long term disposal needs but does not result in any additional diversion of materials from disposal.</p>	<p>Expand the Ridge Landfill with waste diversion</p> <p>Involves creating more long-term disposal capacity for local and Southern Ontario needs. Additional waste diversion processing capacity could be added at the facility and/or elsewhere.</p>
<p>Preferred Alternative</p>			

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What will the EA Look At?

Expand the Landfill with Waste Diversion

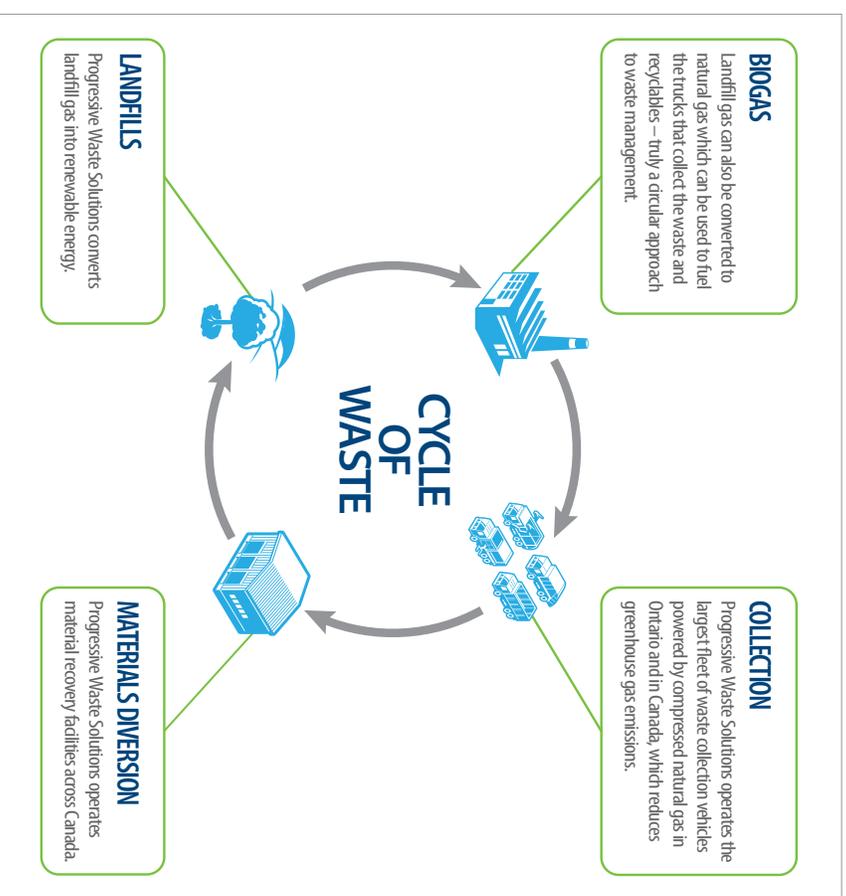


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Additional waste diversion opportunities will be identified by the Waste-Free Ontario Act and that are technically feasible and economically viable for Progressive Waste Solutions.

Should additional resource recovery occur at the Ridge Landfill there is the potential for additional traffic to the site and associated nuisance effects as well as potential nuisance effects from on-site processing activities (e.g. noise, dust, and odour).

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What will the EA Look At?



Progressive
Waste Solutions

EA Milestones and Consultation Plan



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What will the EA Look At?

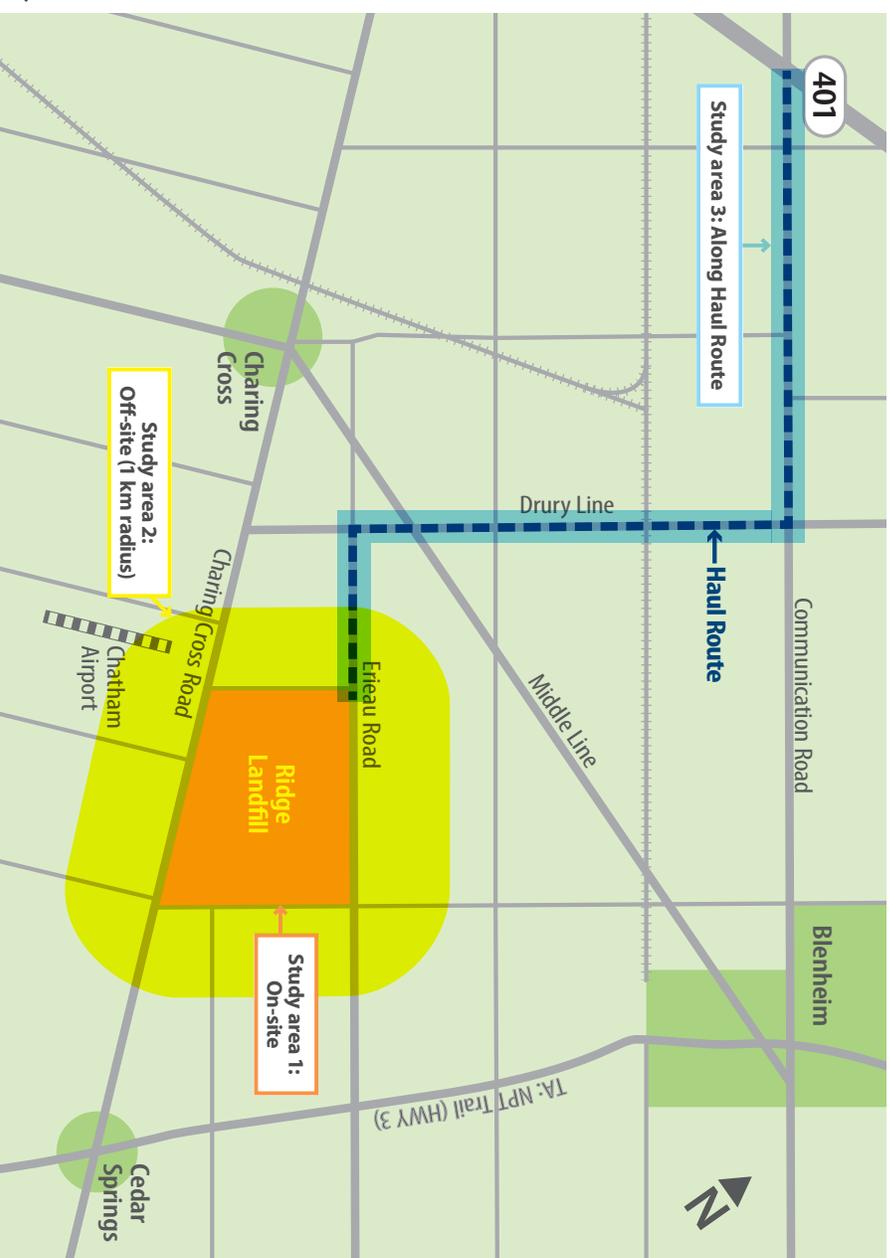
Study Areas for the EA



Progressive
Waste Solutions

PWS has identified three study areas to:

- confirm existing conditions
- create a common study area to evaluate site expansion alternatives, and
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Map of study areas ▶

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What will the EA Look At?

Existing Site Conditions & Future EA Studies



In the EA, PWS will finalize criteria, in consultation with the community, to determine the potential for impacts on the following:



Biology

(e.g. fish, wildlife, woodlots and habitats)



Geology/Hydrogeology

(e.g. groundwater protection)



Surface Water

(e.g. on-site drains)



Atmospheric

(e.g. air, noise, dust and odour)



Agriculture

(e.g. disruption to local farm operations)



Land Use

(e.g. on other land uses)

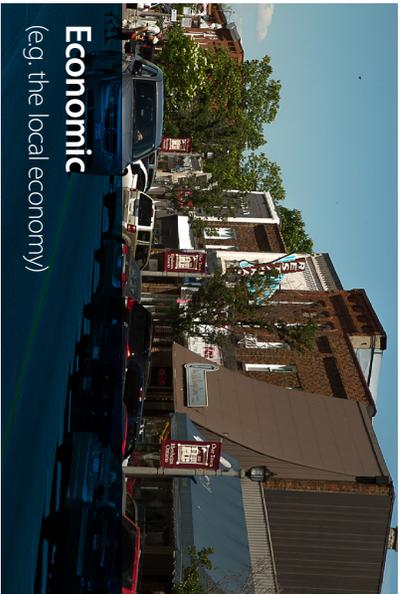
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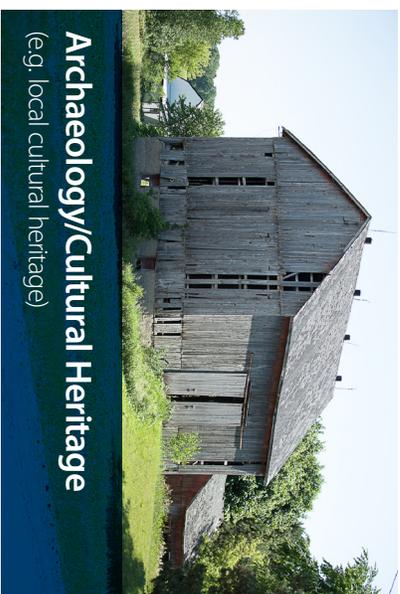
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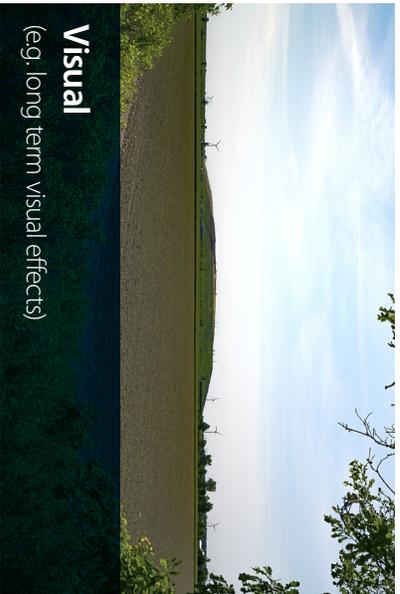
Economic
(eg. the local economy)



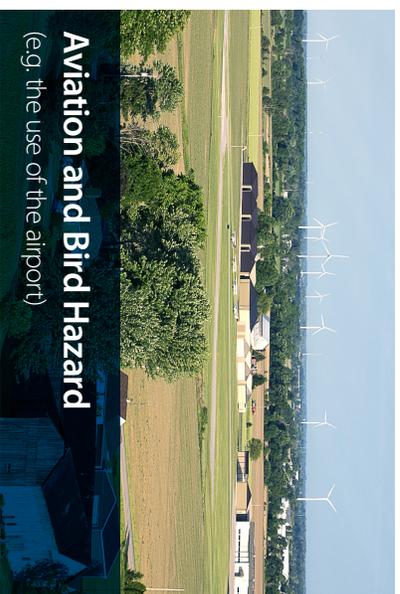
Archaeology/Cultural Heritage
(eg. local cultural heritage)



Social
(eg. neighbours and residents)



Visual
(eg. long term visual effects)



Aviation and Bird Hazard
(eg. the use of the airport)



Traffic
(eg. traffic flows)

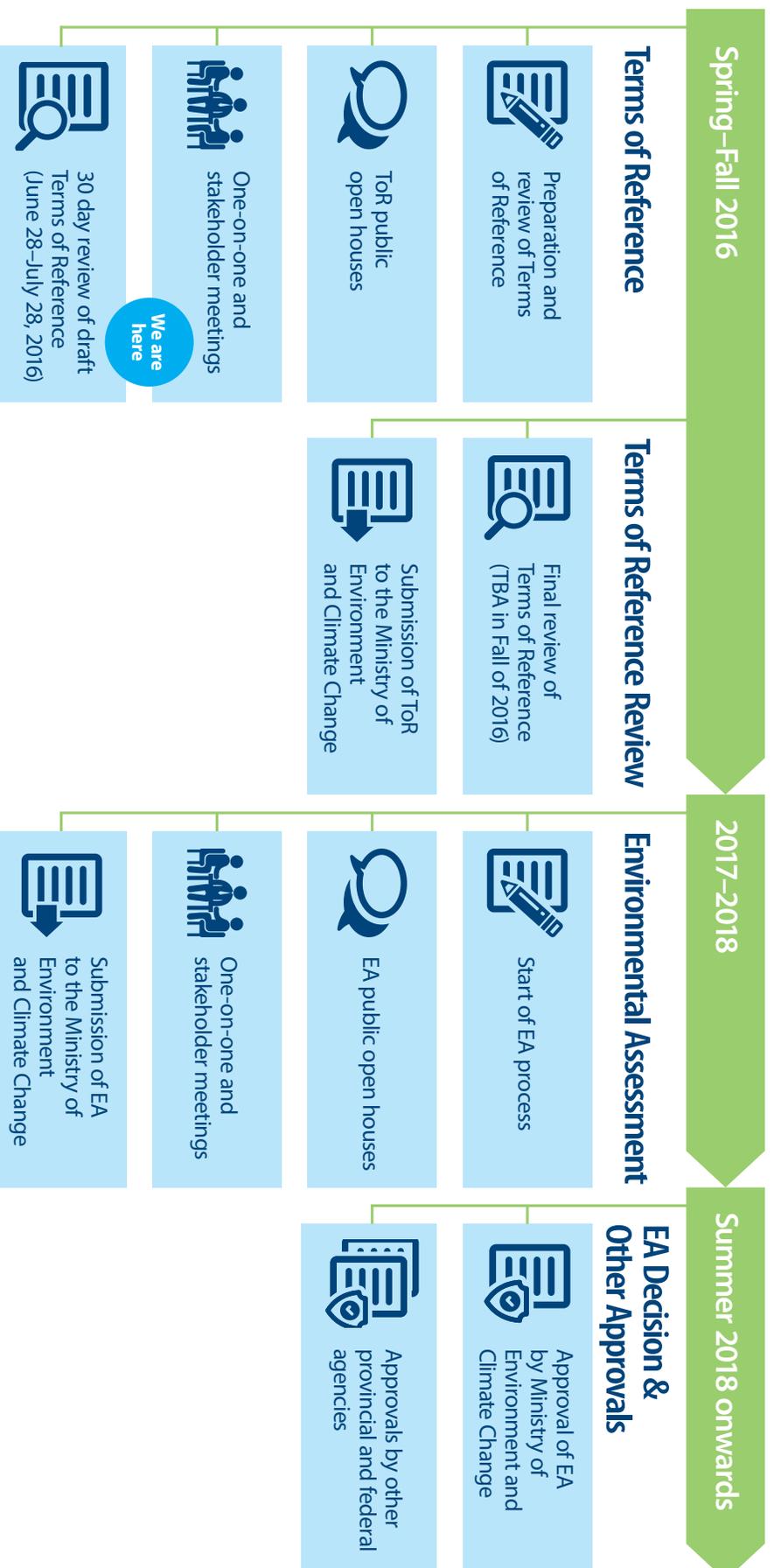
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Consultation and Next Steps



Progressive
Waste Solutions

Environmental Assessment Process



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Consultation and Next Steps

Stay Involved



Progressive
Waste Solutions

During the Terms of Reference and continuing through the EA, consultation with the community will include:

Public Open Houses & Workshops

To exchange information and hear community concerns and questions.



Community Newsletters

To provide news and information about the site and proposed expansion project.



Stakeholder Meetings

To provide opportunity for one-on-one meetings with Progressive Waste Solutions staff to discuss the proposed expansion project.



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Ridge Landfill Expansion

Appendices



Progressive
Waste Solutions

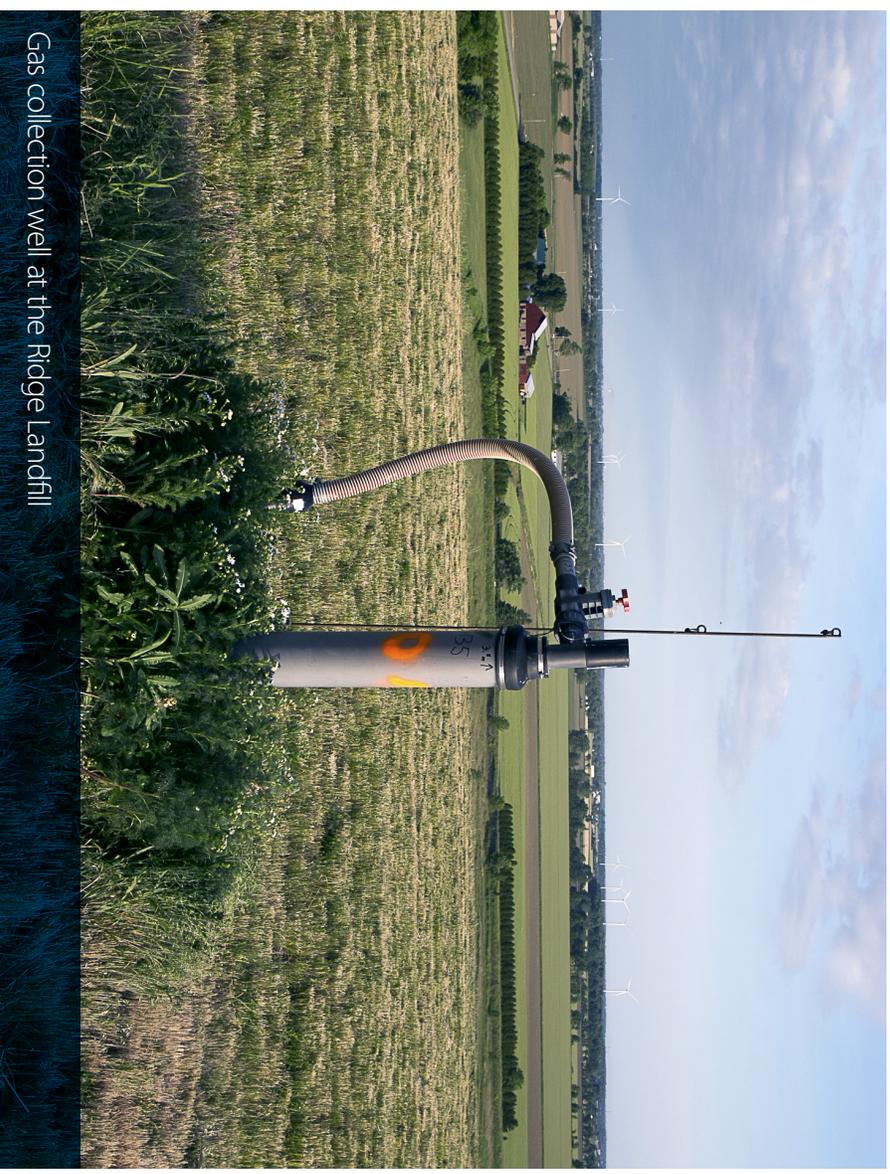
Environmental Management Today and into the Future

Environmental Management System



We have an excellent environmental record at the landfill site.

- We have an environmental management system in place for the landfill that follows stringent Ministry of Environment and Climate Change regulations.
- We continually review and update our operational programs in and around the landfill to maintain environmental protection and prevention of litter, birds, odour, noise, dust and traffic from impacting our neighbours and the community.
- The EA will define any additional measures required to ensure the environmental integrity of the site going forward.



Gas collection well at the Ridge Landfill

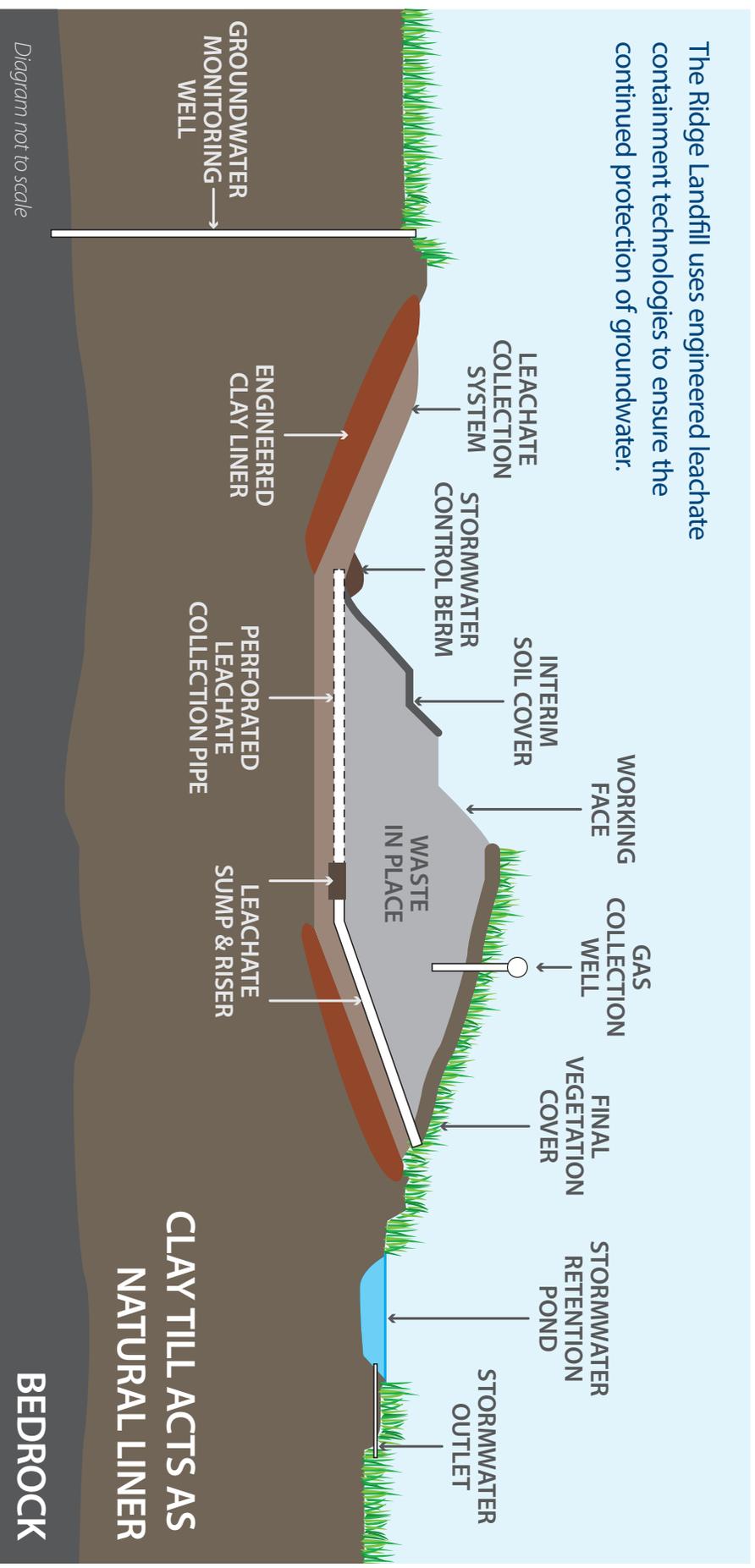
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Environmental Management Today and into the Future

An Environmentally Engineered Landfill



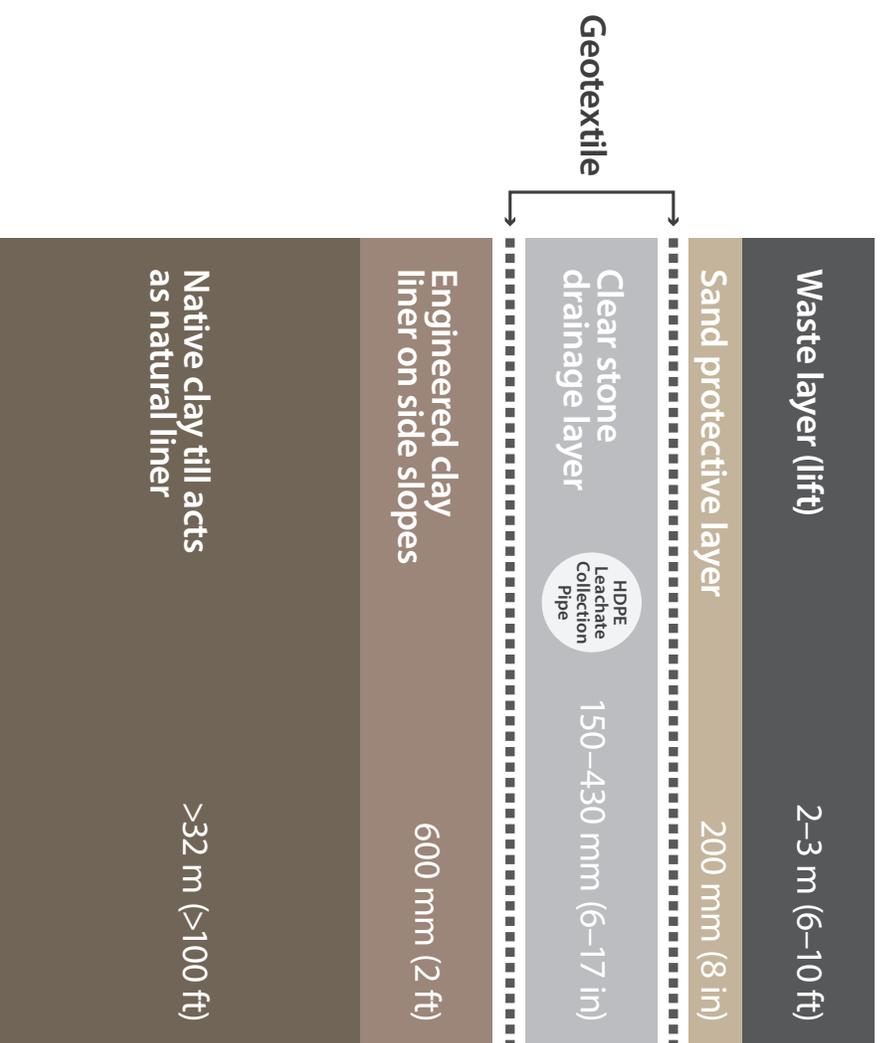
The Ridge Landfill uses engineered leachate containment technologies to ensure the continued protection of groundwater.



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Environmental Management Today and into the Future

Leachate Collection System



Leachate: Water (either from rain or decomposition of waste) that percolates through the waste.

Leachate Collection System: A system of stone drainage material and pipes and that collects the leachate at the bottom of the landfill.

Liner: A barrier layer beneath the leachate collection system to prevent leachate from entering the groundwater.

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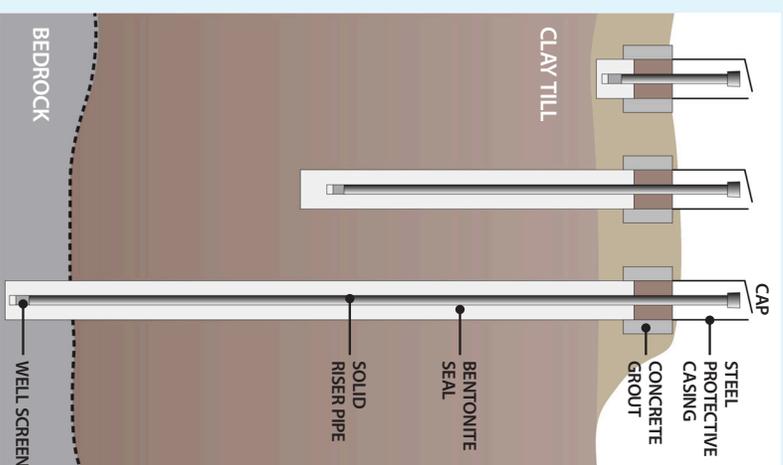
Environmental Management Today and into the Future

Groundwater Monitoring System



- The Ridge Landfill has an environmental management system that monitors all aspects of the landfill including groundwater in and around the landfill.
- Annual monitoring of ground and surface water is conducted by a third party providing assurances the environment is being protected.
- There have been no impacts to the groundwater identified.

Typical Groundwater Monitoring Wells



Wells are placed strategically around the site to monitor groundwater at various depths.

More detailed information is contained in the draft Terms of Reference at www.ridgelandfill.com

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

A Partner in the Community



The Ridge Landfill contributes approximately \$13 million directly and indirectly to the community. Of that:

- Approximately \$9 million is spent annually on salaries, construction and road maintenance, goods and services purchased, taxes, etc.
- An annual royalty payment to the Municipality of Chatham-Kent based on the volume of material that comes into our facility from outside Chatham-Kent. In 2015, this amounted to \$2.3 million; and since 2005 we have contributed over \$15.9 million to the Municipality.
- Significant financial contributions are made to the Ridge Landfill Trust based on the volume of waste the landfill receives each year. In 2015, the Ridge contributed approximately \$1.1 million. These monies are to benefit the local community such as the building of the Community Centre Park and splash pad (see photos at right), a new seniors' centre and youth drop in centre in downtown Blenheim.



More detailed information is contained in the draft Terms of Reference at www.ridgelandfill.com



MEETING MINUTES

PROJECT: Ridge Landfill EA – Project Introduction Meeting

DATE/TIME: June 28, 2016, 10:30 am to 12:00 pm

LOCATION: 2185 River Road, Wallaceburg, ON N8A 4K9

PRESENT: Dr. Dean Jacobs (Walpole Island First Nation), John Beaucage (Counsel Public Affairs), Cathy Smith (PWS), Tim Kozlof (PWS), Megan Bellamy (Dillon Consulting)

Notes

- There are three tribes that make up the Walpole Island First Nation (WIFN) at the present location: the Pottawattamies, Ottawas and Chippewas. They amalgamated in the 1940s to form the WIFN.
- The largest FN reserve in Ontario is located in Toronto.
- 2014 marked the first court case where Aboriginal Title was recognized. An important distinction was that First Nations may be asked to provide consent for a project. Note that this is different than a right to veto a project. “Consent” can be thought of as similar to a “conditional approval”. It was noted that consent cannot be unreasonably withheld.
- WIFN are part owners in a 100 MW wind farm with Northland Power. WIFN is interested in having equity in projects and would like to potentially have a conversation around this pertaining to the expansion of the Ridge Landfill.
- First Nations have the right to shelter under other’s traditional territories.
- Proponents have a duty to consult and accommodate with First Nations.
- WIFN wants their interactions with proponents to be relationships – i.e., beyond the fulfillment of the formal Duty to Consult. WIFN has a consultation protocol that they prefer to be used. The protocol can be edited depending on the relationship.
- WIFN’s concerns with the proposed expansion are likely to be related to environmental and operational impacts.
- Progressive Waste Solutions Canada Inc. (PWS) explained that there is a comprehensive communications plan for the Environmental Assessment. PWS has a strong relationship in the local community and they support the project. PWS provides funding to Chatham-Kent and other organizations through the Ridge Landfill Trust.
- Dean mentioned that the Green Lane compensation model for the landfill was favourable to First Nations and encouraged PWS to look at it, if the document is publicly available.

PWS mentioned that compensation agreements would be revisited as part of the EA process and would be dependent on the outcome of the evaluation of site development and resource recovery alternative methods.

- Dean emphasized the location of the Ridge Landfill within the WIFN's traditional territory and that WIFN's right to hunt and fish is extremely important. Dean also indicated that they have some data in-house that could be used to assess potential impacts from the project.
- PWS provided an overview of the project schedule and indicated that the second Open House would take place that evening (June 28) and that the 30 day review period for the draft Terms of Reference (ToR) had officially begun that same day.

Action Items

Action	Responsible Party
Send Dean directions and address for Open House on June 28, 2016.	Dillon (completed).
Follow up with Dean regarding potential comments on the draft ToR.	John Beaucage

Errors and/or Omissions: For any errors and/or omissions, please contact Megan Bellamy (416-229-4647, Ext. 2423) or mbellamy@dillon.ca

Ridge Landfill Expansion

**A presentation to the
Walpole Island First Nation
June 28, 2016**



Progressive
Waste Solutions

The Ridge Landfill Open House

About Progressive Waste Solutions



- Progressive Waste Solutions is a leading provider of comprehensive waste management services in Ontario as well as across Canada.
- We have earned a highly valued reputation for environmental protection, waste diversion and recycling and development of renewable energy projects.
- We are committed to the most environmentally responsible management practices.
- Progressive Waste Solutions is a growing company that employs over 60 persons in the Municipality of Chatham-Kent.



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The Ridge Landfill



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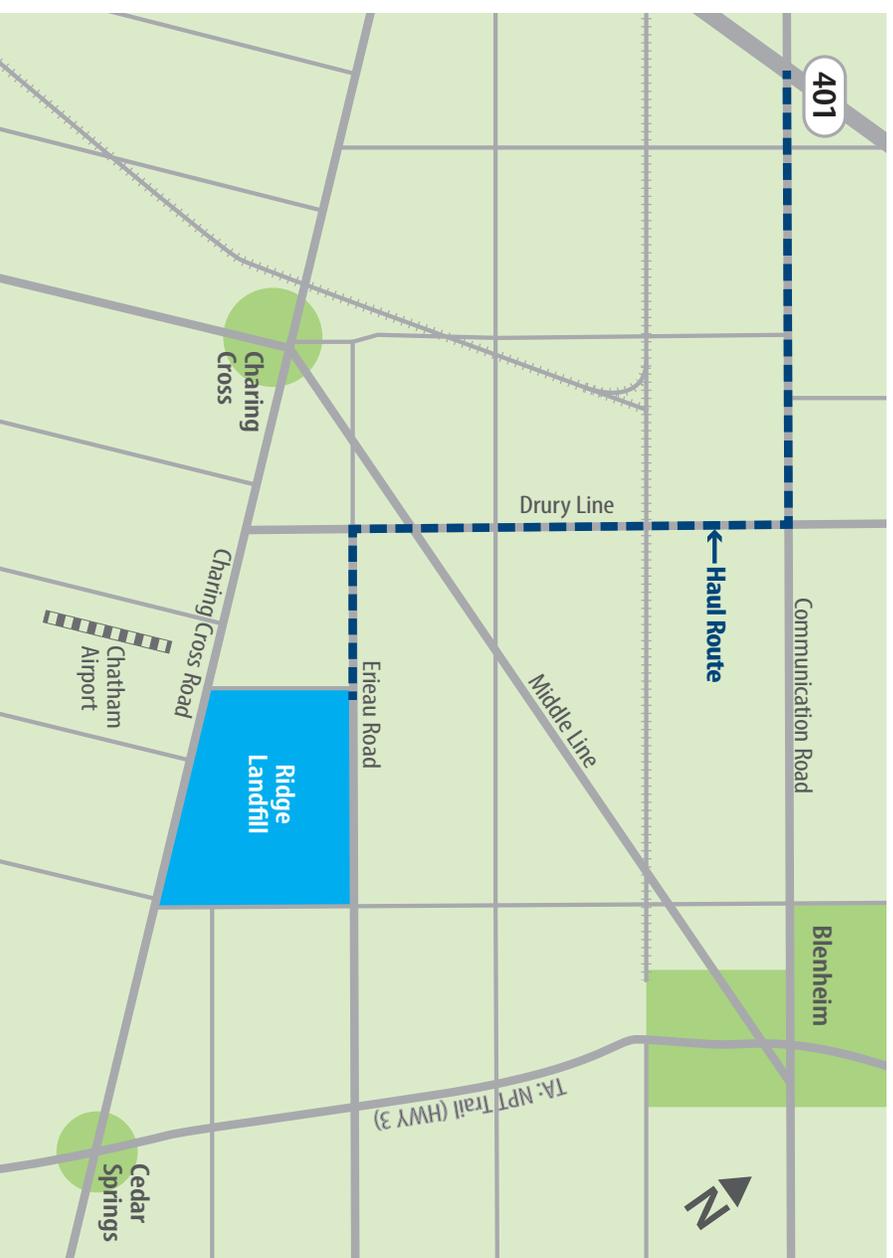
The Ridge Landfill Open House

The Ridge Landfill



Progressive
Waste Solutions

- Landfill operations began in 1966.
- Progressive Waste Solutions takes ownership and operation in 2005.
- The facility employs 23 persons.
- The Ridge Landfill receives all Chatham-Kent residential waste, and industrial commercial waste from across Ontario.
- The landfill is expected to reach capacity in 2022.



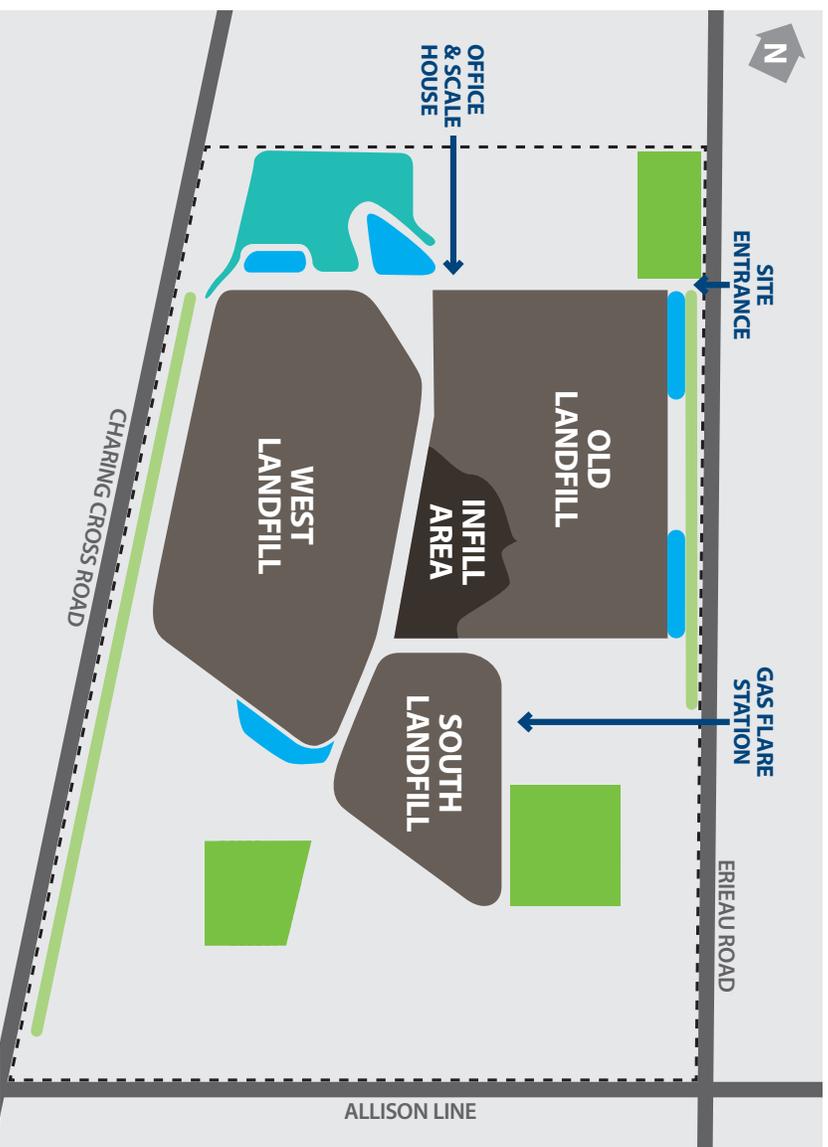
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The Ridge Landfill Open House

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Progressive
Waste Solutions



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Waste Solutions

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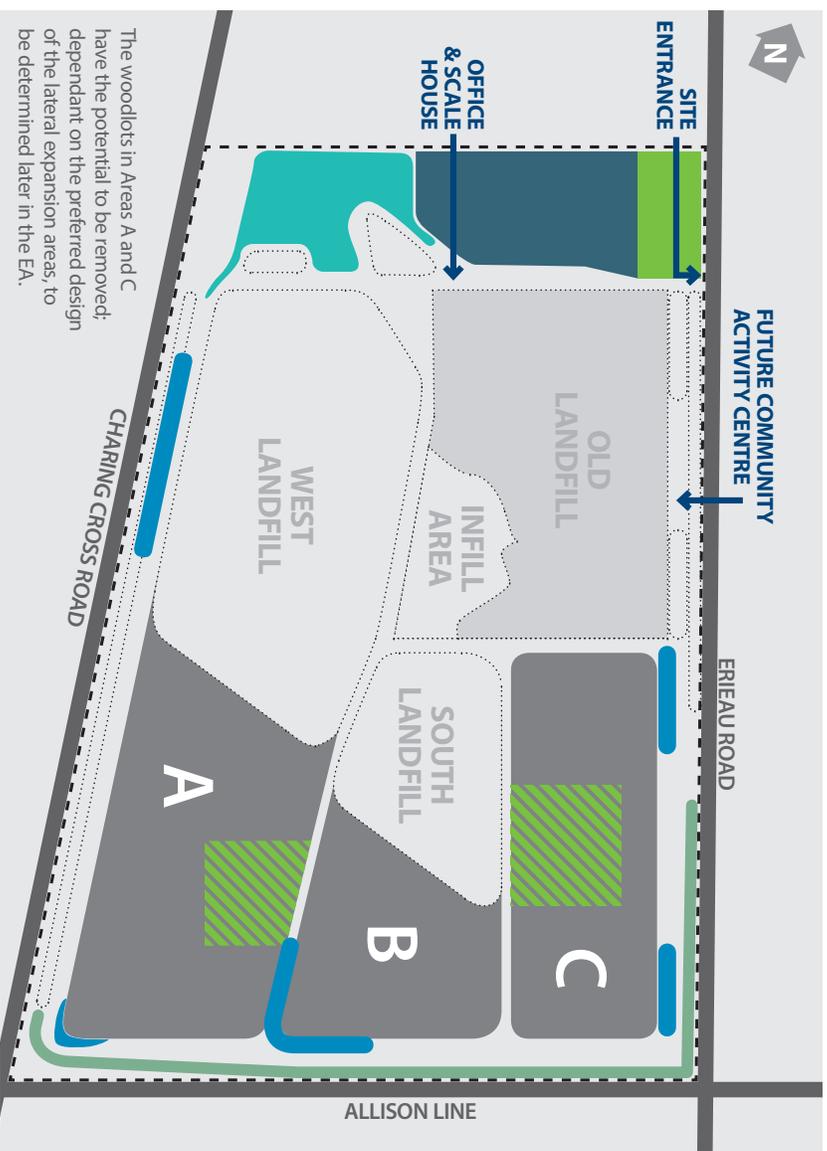
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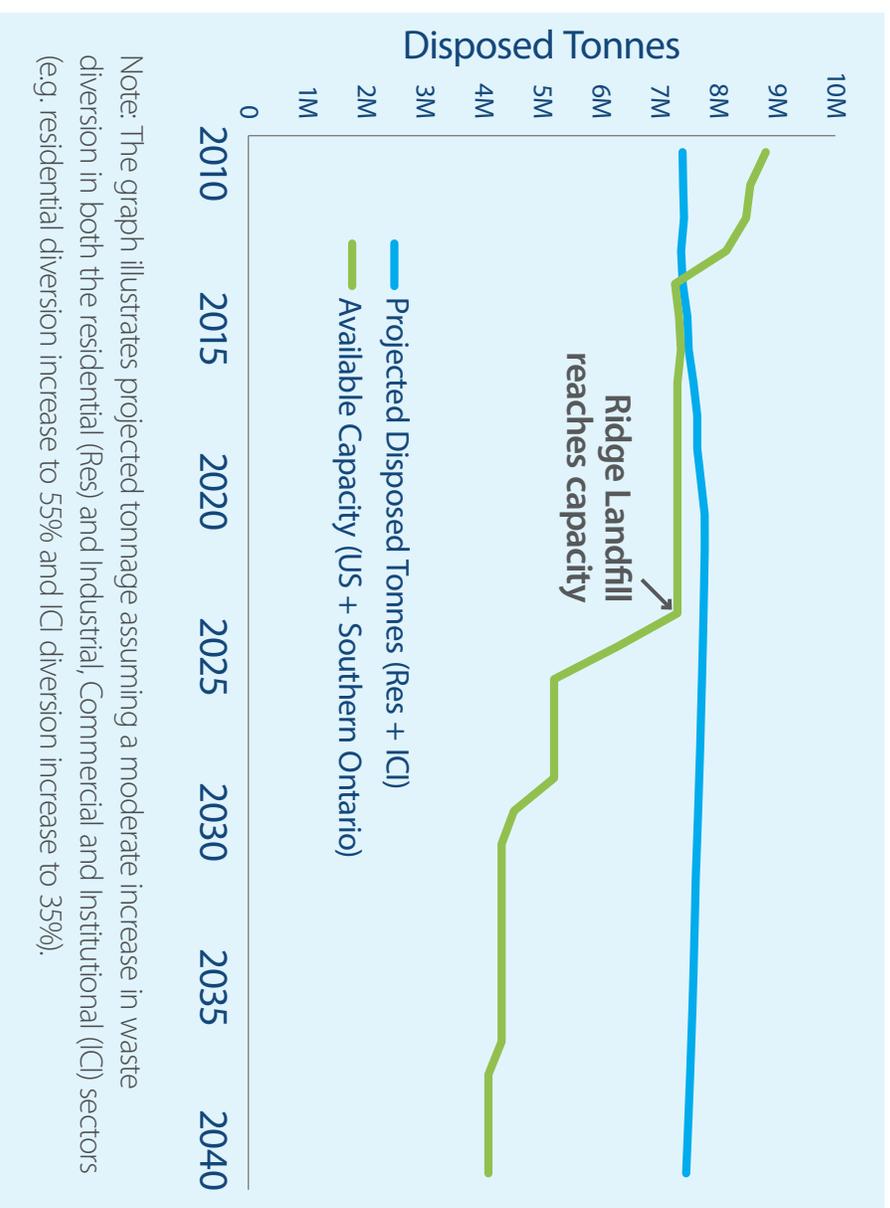
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Progressive
Waste Solutions

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Progressive
Waste Solutions

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Involves expanding the Ridge Landfill. This alternative provides capacity to meet the long term disposal needs but does not result in any additional diversion of materials from disposal.

Expand the Ridge Landfill with waste diversion

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Preferred Alternative

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What will the EA Look At?

Expand the Landfill with Waste Diversion

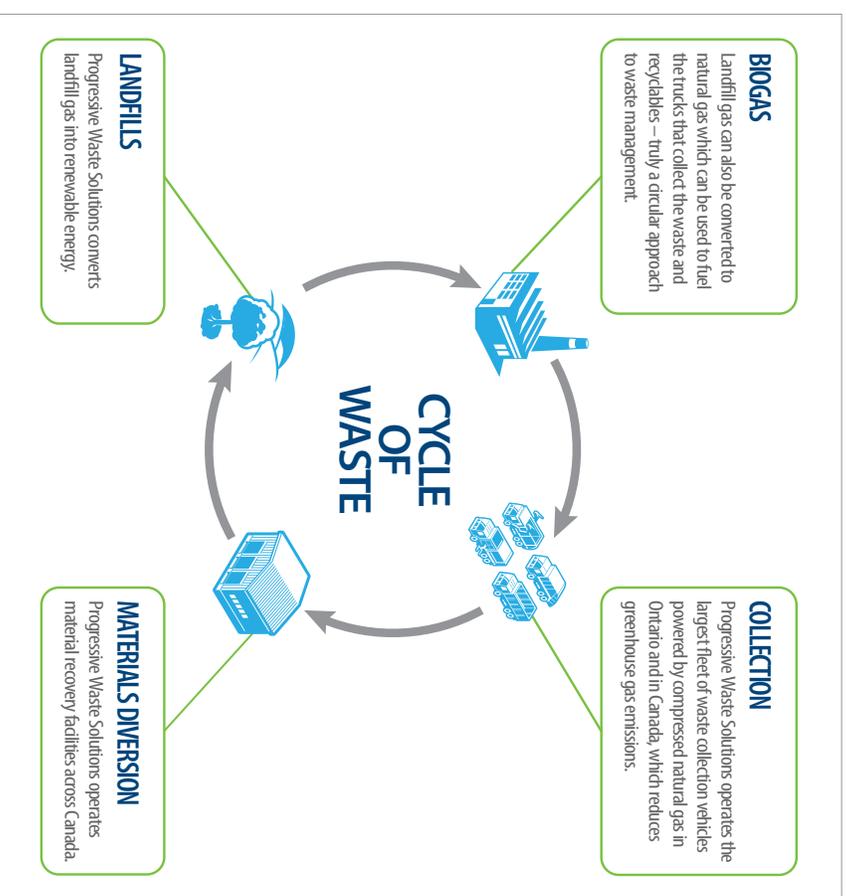


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Progressive
Waste Solutions

EA Milestones and Consultation Plan



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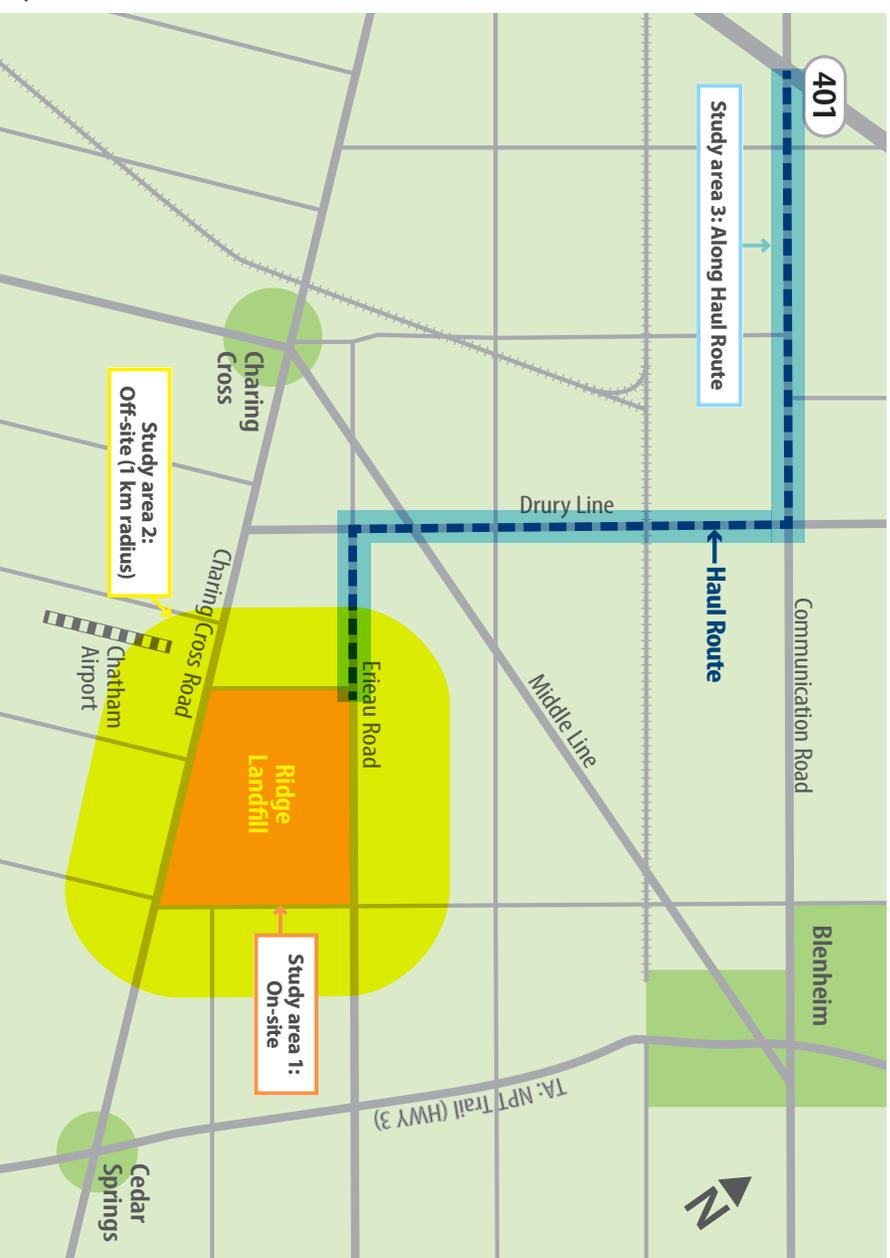
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Map of study areas ▶

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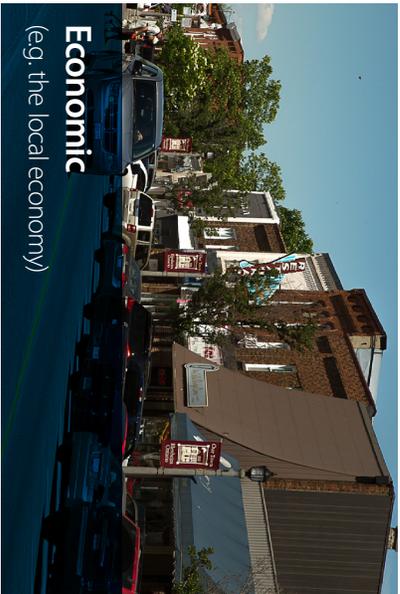
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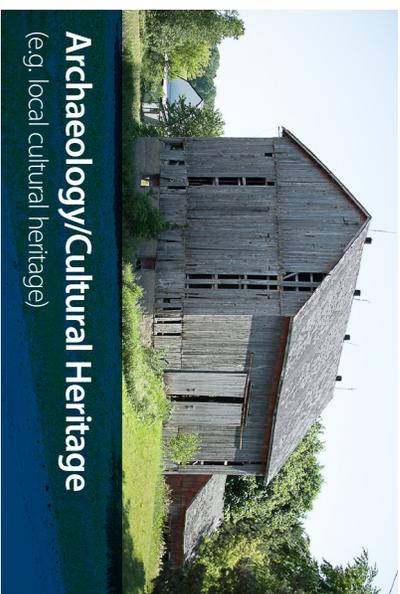
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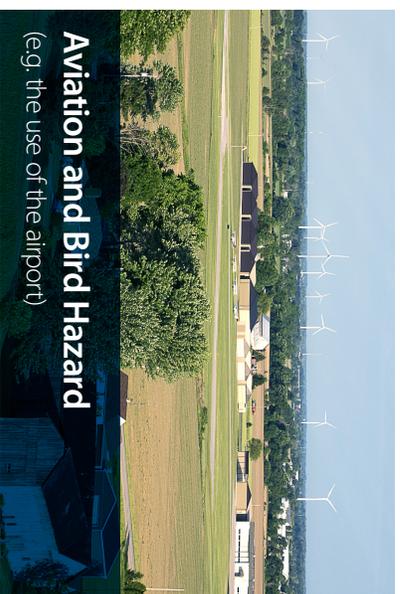
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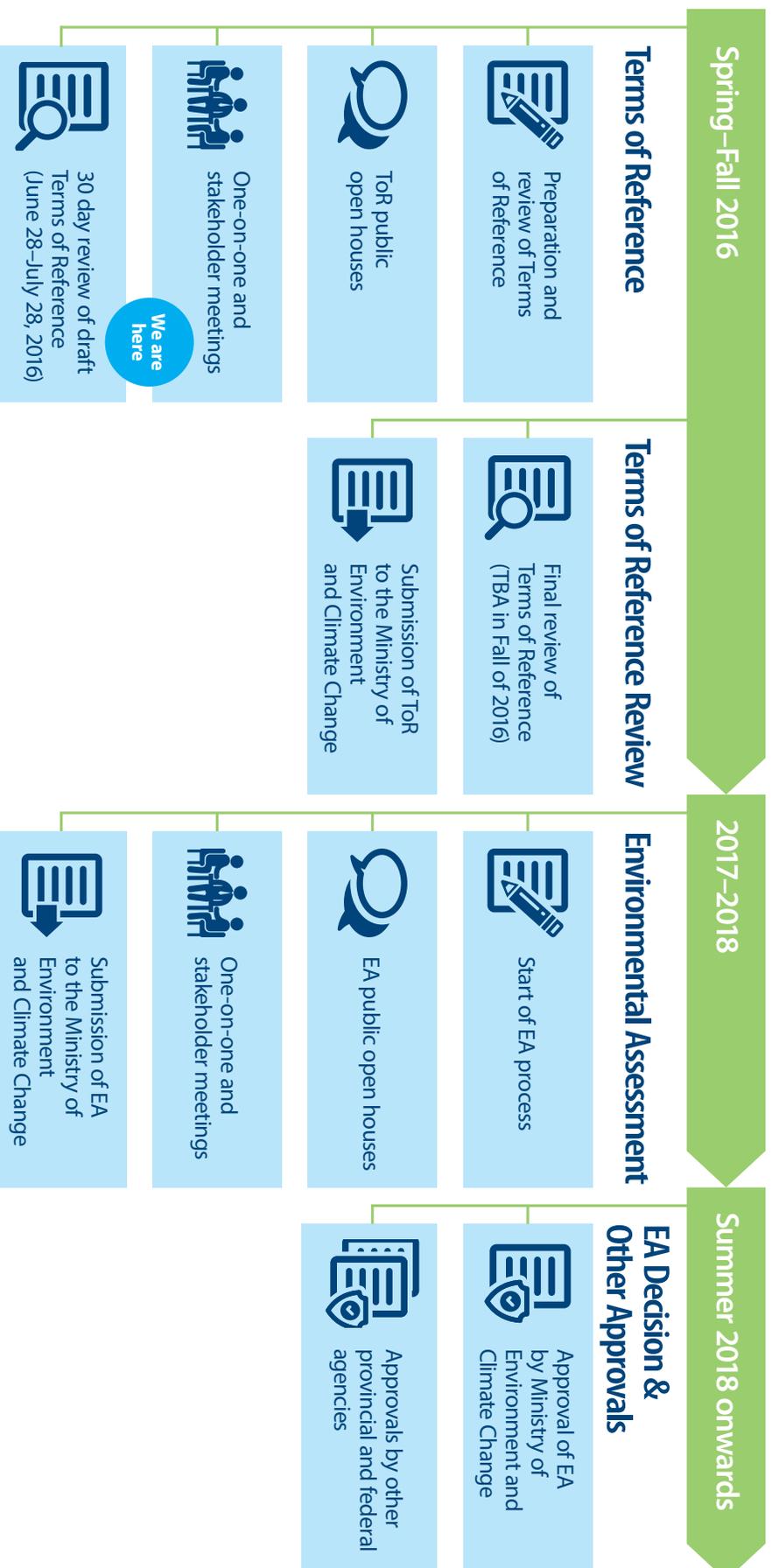
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Ridge Landfill Expansion

Appendices



Progressive
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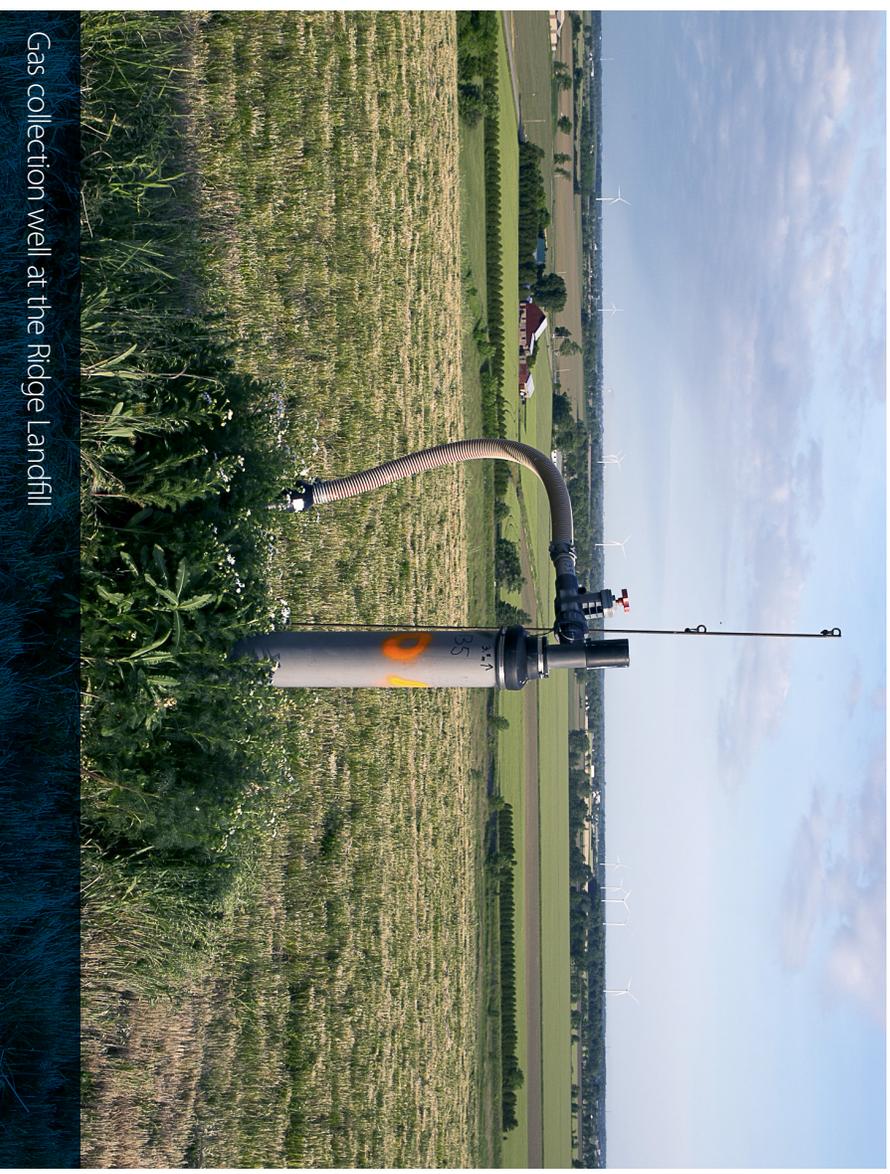
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Environmental Management Today and into the Future

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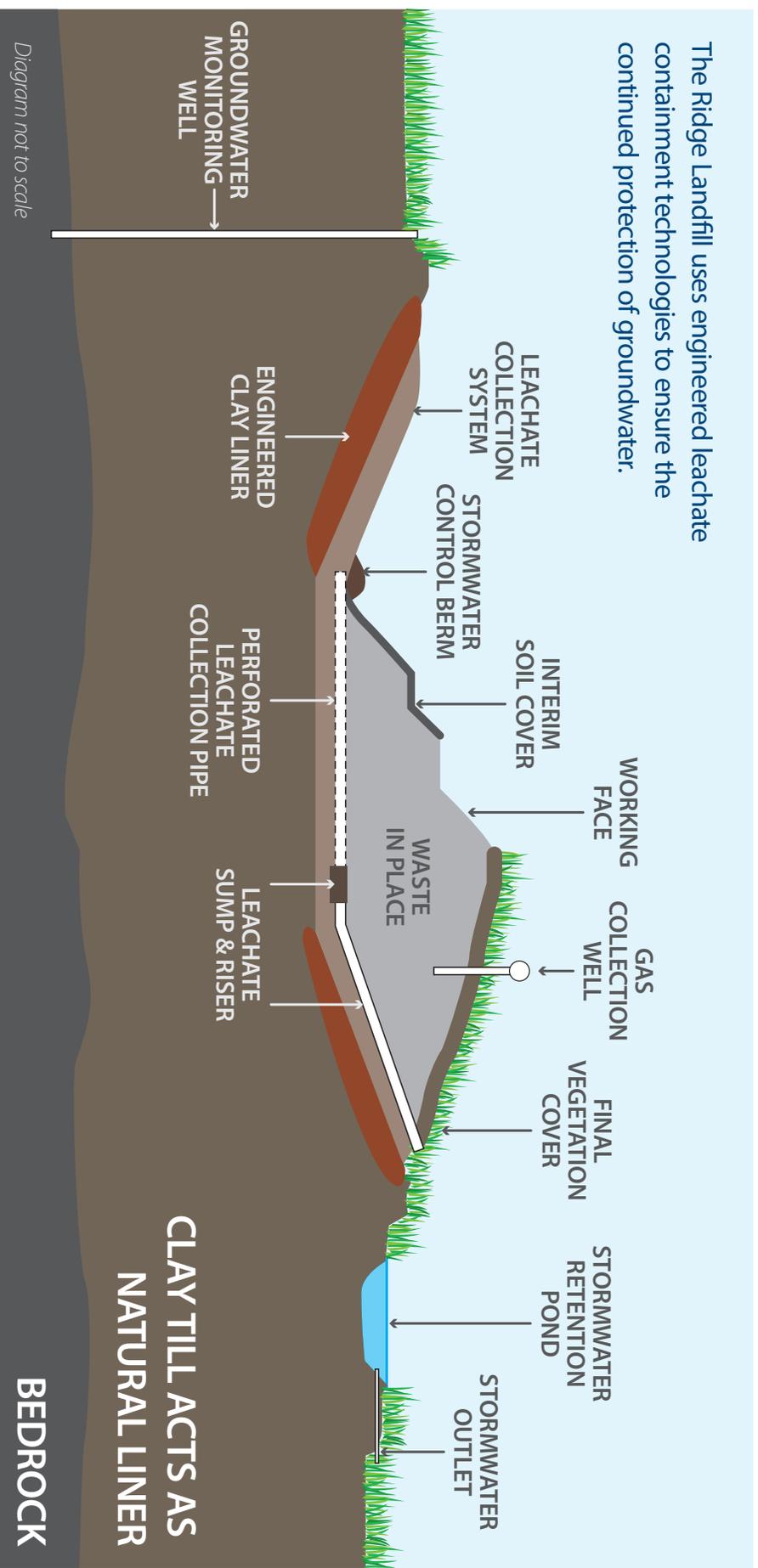
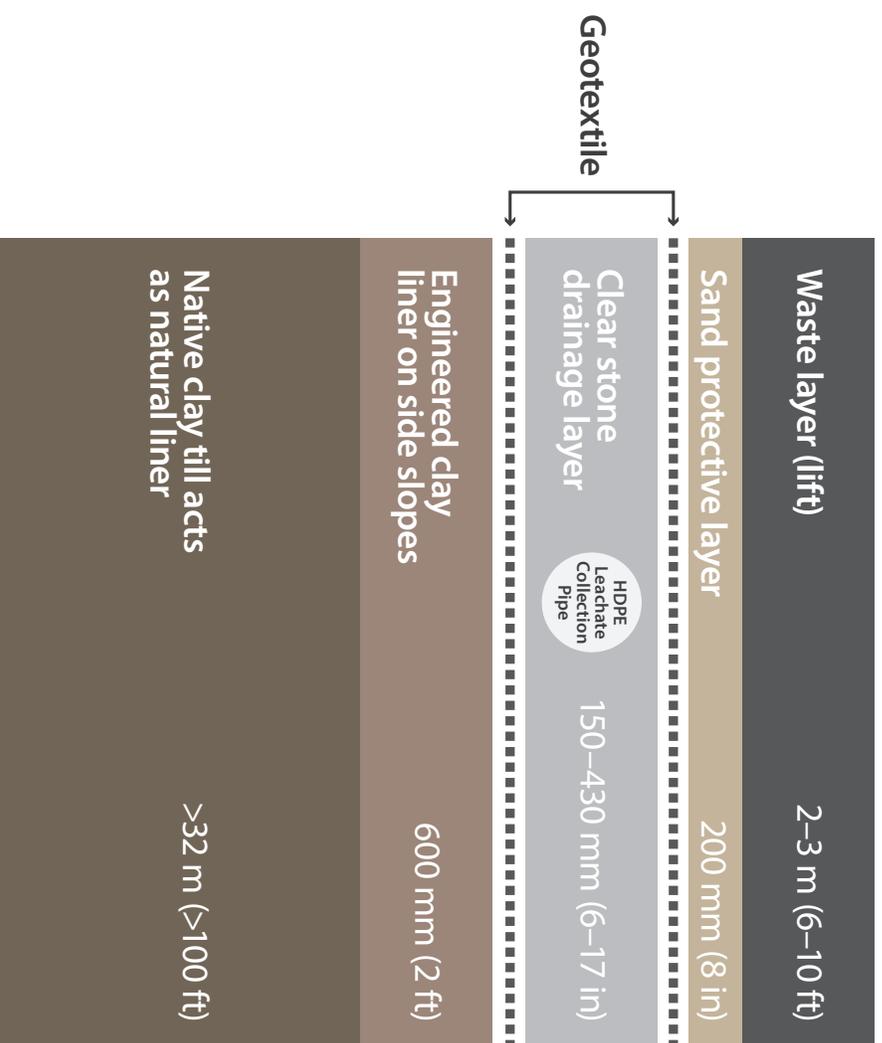


Diagram not to scale

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Environmental Management Today and into the Future

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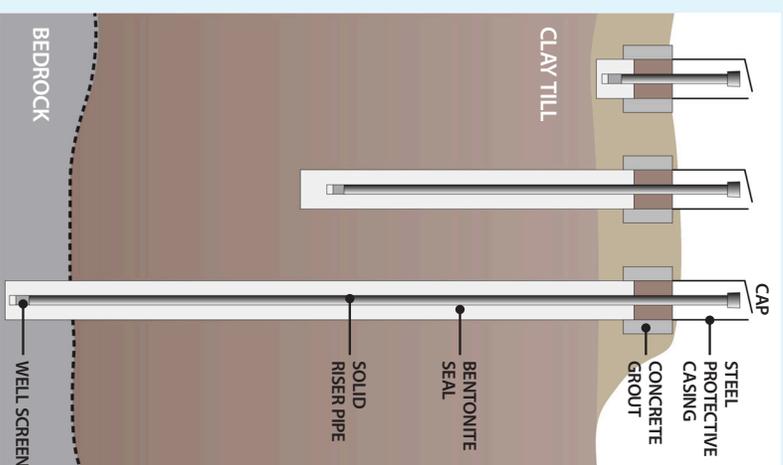
Environmental Management Today and into the Future

Groundwater Monitoring System



- The Ridge Landfill has an environmental management system that monitors all aspects of the landfill including groundwater in and around the landfill.
- Annual monitoring of ground and surface water is conducted by a third party providing assurances the environment is being protected.
- There have been no impacts to the groundwater identified.

Typical Groundwater Monitoring Wells



Wells are placed strategically around the site to monitor groundwater at various depths.

More detailed information is contained in the draft Terms of Reference at www.ridgelandfill.com

Why Is Progressive Waste Solutions Proposing to Expand the Ridge Landfill?

A Partner in the Community



The Ridge Landfill contributes approximately \$13 million directly and indirectly to the community. Of that:

- Approximately \$9 million is spent annually on salaries, construction and road maintenance, goods and services purchased, taxes, etc.
- An annual royalty payment to the Municipality of Chatham-Kent based on the volume of material that comes into our facility from outside Chatham-Kent. In 2015, this amounted to \$2.3 million; and since 2005 we have contributed over \$15.9 million to the Municipality.
- Significant financial contributions are made to the Ridge Landfill Trust based on the volume of waste the landfill receives each year. In 2015, the Ridge contributed approximately \$1.1 million. These monies are to benefit the local community such as the building of the Community Centre Park and splash pad (see photos at right), a new seniors' centre and youth drop in centre in downtown Blenheim.



More detailed information is contained in the draft Terms of Reference at www.ridgelandfill.com



CHIPPEWAS OF THE THAMES FIRST NATION

July 26, 2016

Tim Kozlof
Ridge Landfill
Manager
20262 Erieau Road
Blenheim, ON N0P 1A0

Subject: Proposed Ridge Landfill Expansion EA

Dear Mr. Kozlof,

We are in receipt of correspondence of the aforementioned project.

In our screening of your correspondence we have identified no concerns with your project or the information that you have presented to us at this time.

We ask that there are any changes to your project that are of a substantive nature that you keep us informed. Otherwise, we do not need to receive regular project updates. If you have any questions regarding this letter, please contact me directly.

Sincerely,

Fallon Burch
Chippewa of the Thames
Consultation Coordinator
(519) 289-2662 Ext. 213

C: Cathy Smith, Project Manager, Progressive Waste Solutions Canada Inc.

Date: Thu, 16 Jun 2016 15:38:32 +0000

Subject: RE: Proposed Ridge Landfill Expansion - Notice of Public Open House

Good morning,

Please find attached a revised Notice of Public meeting pertaining to the proposed expansion of the Ridge Landfill.

Regards,



Devin Nicol

Account Manager & Compliance Officer

Counsel Public Affairs Inc.

95 St. Clair Avenue West, Suite 1606

Toronto, Ontario, M4V 1N6

Email: dnicol@counselpa.com

Direct: (416) 920-0716 ext 211

Fax : (416) 352-6069

From: Devin Nicol

Sent: Thursday, June 16, 2016 9:45 AM

Cc: John Beaucage <JBeaucage@counselpa.com>; 'Cathy Smith' <cathy.smith@progressivewaste.com>

Subject: Proposed Ridge Landfill Expansion - Notice of Public Open House

Good morning,

On behalf of John Beaucage and Progressive Waste Solutions Canada Inc., please find attached a notice of an upcoming public meeting regarding the proposed Ridge Landfill expansion.

Regards,



Devin Nicol

Account Manager & Compliance Officer

Counsel Public Affairs Inc.

95 St. Clair Avenue West, Suite 1606

Toronto, Ontario, M4V 1N6

Email: dnicol@counselpa.com

Direct: (416) 920-0716 ext 211

Fax : (416) 352-6069

3 attachments



Notice 2nd Open House_final.pdf

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Notice 2nd Open House_final.pdf

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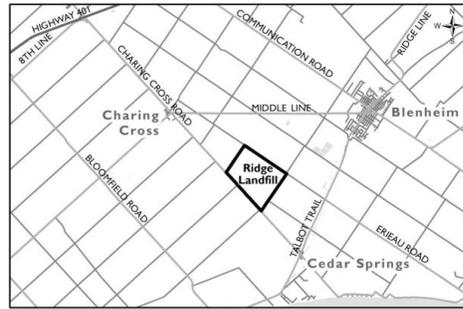


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Notice of Public Open House & Draft Terms of Reference Proposed Ridge Landfill Expansion EA

Progressive Waste Solutions Canada Inc. (PWS) is undertaking a study under the *Environmental Assessment Act* (EAA) to expand the existing Ridge Landfill to provide long term residual waste disposal capacity.



PWS would like to thank everyone who attended our first Public Open House on May 3, 2016. It provided us an opportunity to introduce the proposed Ridge Landfill expansion environmental assessment project. Community input to date has helped us better understand your perspectives on the Ridge Landfill. A copy of the information presented at the first Open House can be found at:
<http://www.ridgelandfill.com/news>

We would like to take this opportunity to invite you to a second Open House for this project.

The Draft Terms of Reference

As part of the EAA process, a draft Terms of Reference (ToR) has been prepared. This document sets the framework for addressing the EAA requirements, including the alternatives that will be considered, criteria proposed for the evaluation of alternatives, the technical work that will be undertaken, and the public consultation activities that will be carried out.

You are Invited to a Public Open House!

Time & Date: June 28, 2016 from 5:00pm - 8:00pm
Location: St. Mary's Hall, 94 George St., Blenheim, ON

The second Public Open House for the proposed Ridge Landfill expansion will provide more information on the technical work that is proposed for the EA. Come find out more about the studies that will be done, the alternatives that will be considered and how you can continue to stay involved throughout the EA.

The draft ToR will be available for a 30 day public review beginning on June 28, 2016 and ending on July 28, 2016. You may review the draft ToR at the following locations:

Ministry of the Environment and Climate Change, Environmental Assessment and Approvals Branch 135 St. Clair Avenue West, 1st Floor Toronto, ON, M4V 1P5 Tel: 1-800-461-6290/ 416-314-8001 Monday to Friday: 8:30am – 5:00pm	Ministry of the Environment and Climate Change Windsor Area Office 4510 Rhodes Dr., Unit 620 Windsor, ON, N8W 5K5 Tel: 519-948-1464 Monday to Friday: 8:30am – 4:30pm
Chatham Branch, Chatham-Kent Public Library 120 Queen Street, Chatham, ON, N7M 2G6 Tel: 519-354-2940 Monday to Thursday: 9:30am - 8:30pm; Friday: 9:30am – 6:00pm; Saturday: 9:30am – 5:00pm	Blenheim Branch, Chatham-Kent Public Library 16 George Street Blenheim, ON, N0P 1A0 Tel: 519.676.3174 Tuesday and Thursday: 12:00pm-8:00pm, Wednesday and Friday: 10:00am – 3:00pm; Saturday: 12:00pm- 4:00pm
Municipality of Chatham-Kent Civic Centre 315 King St W. Chatham, ON, N7M 1E9 Tel: 519-360-1998 Monday to Friday: 8:30am – 5:00pm	Online at the Ridge Landfill Website: www.ridgelandfill.com

Written comments regarding the draft ToR must be received by July 28, 2016. All comments should be submitted to:

Cathy Smith, Project Manager OR Through the **Ridge website**
Progressive Waste Solutions Canada Inc. at www.ridgelandfill.com
 T: 519-676-5000
 Email: cathy.smith@progressivewaste.com

All comments received by July 28, 2016 will be incorporated in the final ToR. For any information regarding the project, please feel free to visit our website at www.ridgelandfill.com

Under the Freedom of Information and Protection of Privacy Act and the Environmental Assessment Act, unless otherwise stated in the submission, any personal information such as name, address, telephone number and property location included in a submission will become part of the public record files for this matter and will be released, if requested, to any person.

Notice published June 16, 2016.



February 6, 2017

Letter to Indigenous Communities

I want to personally advise you that Progressive Waste Solutions (PWS) has submitted its final Terms of Reference (ToR) to the Ministry of Environment and Climate Change for their approval to proceed with an Environmental Assessment (EA) of our proposed expansion of the Ridge Landfill.

The ToR will be available for review beginning on November 18, 2016 and ending on December 18, 2016. Two copies of the final ToR are enclosed for your review along with a memo and acknowledgement of receipt form from the Ministry of Environment and Climate Change. The ToR can also be viewed on our website, www.ridgelandfill.com, or at any of the locations detailed on the included Notice of Submission.

Subject to approval of the ToR, PWS will be undertaking an EA which will look at different ways to develop the expanded facility, the potential for environmental effects and how those effects could be mitigated. During the ToR review period we would be pleased to meet with you to discuss any questions or concerns you may have. We will also continue to keep you advised and provide opportunity for discussion through the EA phase of the process.

If you have any immediate questions or comments, please do not hesitate to reach out to me.

Sincerely,



Cathy Smith
Project Manager, Ridge Landfill Expansion
519.358.2860
Cathy.smith@progressivewaste.com

Appendix G

Agency Meeting Minutes



MEETING MINUTES

- PROJECT:** EA Terms of Reference MOECC Pre-Consultation Meeting for the Ridge Landfill
- DATE/TIME:** December 16, 2015, 1:30 pm to 3:00 pm
- LOCATION:** Ministry of the Environment and Climate Change (MOECC) Office – 135 St. Clair Avenue West, 4th Floor
- PRESENT:** Cathy Smith (PWS), Brian Forrestal (PWS), David Racz (MOECC, by phone), Cindy Batista (MOECC), Daniel Delaquis (MOECC), Gary Komar (Dillon Consulting), Karla Kolli (Dillon Consulting), Megan Bellamy (Dillon Consulting)

NOTE: These minutes have been prepared for file. A meeting summary was sent by email to MOECC

Introduction & Purpose of the Meeting

Brian introduced the team and provided an overview of the proposed project. The team wanted to present the proposed project to the MOECC today, including the pre-Environmental Assessment (EA) preparatory work to ensure that all parties are comfortable with the methodology for the EA Terms of Reference (ToR). It was noted that the project is confidential at this stage because Progressive Waste Solutions (PWS) is undergoing negotiations with a neighbouring landowner. A focused ToR will be developed for the project and is anticipated to be submitted to the MOECC in mid-2016. The management of stakeholder consultation is very important to PWS, so any feedback from the MOECC regarding approach is appreciated. Dillon, PWS' consultant, has a long history at the site and completed the 1997 EA to expand the landfill and the 2010 screening for a proposed fill rate modification.

The Ridge Landfill: Present and Future

- The Ridge Landfill began operation in 1966 and now receives 1.3 million tonnes of municipal solid waste (MSW) annually. The annual fill rate was changed approximately 3 years ago from approximately 900,000 tonnes to 1.3 million tonnes. The overall capacity of the site did not change, but the Environmental Compliance Approval (ECA) for the site was amended to increase the total tonnage per year.
- In 1999, the landfill was expanded to approximately 262 ha. The assumed life of the landfill at that time was 20 years. Currently, the landfill is expected to reach capacity around 2022, approximately 6 years from now.

- The landfill is licenced to receive Industrial, Commercial and Institutional (ICI) waste from all of Ontario and residential waste from the Municipality of Chatham-Kent (CK) and the surrounding four counties. The leachate from the facility is piped to the Blenheim wastewater treatment plant.
- The landfill has a Community Liaison Committee (CLC) that meets every quarter. The CLC is comprised of members of the public, members of Chatham-Kent council, the landfill manager, an independent consultant, and the MOECC Environmental Officer (David Racz).
- The landfill is monitored annually for groundwater, surface water and leachate quality. Dillon undertakes this monitoring for PWS.
- A total of 60 people in Chatham-Kent are employed by the PWS; 20 of these are landfill site employees; the remainder are collection employees
- PWS gives a percentage of the Ridge Landfill tipping fee to the Ridge Landfill Trust. The Trust allocates the money to local community improvement projects.
- CK does not have its own municipal landfill site and is supportive of this project.
- The landfill has a defined haul route between Highway 401 and the site. The people who live along the haul route are compensated, as well as site neighbours.
- The landfill is outside of the identified source water protection area.

Pre-EA Work

- Dillon and PWS have been working to complete pre-EA work over the past year. The purpose of the work was to inform the direction and scope of the ToR. The pre-EA work focused on a 20 year planning period (2022-2041) and included the completion of the following tasks:

Needs and opportunities assessment – This work projected demand for waste disposal in southern Ontario across the planning period (2022-2041). It assumed a medium diversion scenario and that the amount of waste shipped to the USA remains the same (approx. 3 million tonnes per year). The needs assessment identified that disposal capacity in southern Ontario will drop off in 2023-2025 leaving insufficient capacity for the amount of waste requiring disposal.

Consideration of “Alternatives To” – Four alternatives were developed including Do Nothing, close Ridge and open an new landfill, expand the existing landfill, and expand the existing landfill and add opportunities to accommodate resource recovery. The “Alternatives To” were identified with PWS’ core business in mind. PWS is not in the business of energy-from-waste facilities, so the alternatives are focused on landfill and diversion.

Using criteria modified from the MOECC *Code of Practice for Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario* (2014), an assessment of the “alternatives to” identified an expansion of the existing landfill

including resource recovery as preferred:

- **Do Nothing** – the Ridge Landfill would reach capacity around 2022 and close. This would not address the need for continued landfill capacity.
- **Close the Ridge Landfill and open a new landfill** – the Ridge Landfill would reach capacity and close and PWS would open a new landfill in the area.
- **Expand the current landfill** – this option meets the screening criteria but only focuses on disposal and doesn't address other waste streams.
- **Expand the current landfill including Resource Recovery** – this alternative would set aside land to accommodate resource recovery alternatives that could be determined once the new Waste Free Ontario Act comes into force.

Site Development Alternatives - The work aimed to answer the question “How can we develop the site so it has additional capacity for the 20 year planning period?” It was determined that there is sufficient room on the site to accommodate an expansion. PWS is also proposing to expand the residential waste capture area to all of Ontario, but based on projected needs, most of the waste would be coming from southern Ontario.

The Ridge Focused Terms of Reference

- Based on the pre-EA work, PWS is planning on preparing a focused EA Terms of Reference for an expansion of the Ridge Landfill with Resource Recovery. The following points were raised at the meeting for consideration in the ToR:
 - Including Diversion in the Alternative Methods – PWS has considered the watershed of the area and it is most efficient to do waste diversion as close to the generator as possible. Currently, there is limited opportunity for PWS to do more diversion at Ridge, based on the site location and recent discussions with local municipalities. PWS is committed to set aside an area for resource recovery to accommodate future opportunities such as the implementation of the Organics Action Plan proposed in the Waste Free Ontario Strategy. The MOECC will be looking for an evaluation of diversion alternatives in the EA; they will provide PWS with some examples from other recent EAs. They also suggested that PWS consider applying incentives for CK diversion instead of discounting tipping fees.
 - Landfill Mining – PWS is considering mining the Old Landfill to recover recyclable materials and increase capacity.
 - Airport Zoning - The existing fill areas have an exemption from the Transport Canada Airport zoning by-law for the CK airport. This exemption would need to be extended to the proposed expansion south of the old rail line, which is further away from the airport flight paths.
 - On-site Woodlots –The proposed expansion alternatives could require the removal of two woodland areas. PWS proposes that these be regenerated in the

north part of the site. There is also a significant berm around the site that PWS would like to naturalize. Consultation with the Lower Thames Conservation Authority is planned. It was noted that the CA may require a greater planting ratio for compensation (3:1).

- Cumulative Effects - There is no other landfill within the site vicinity that would need to be considered in the evaluation of cumulative effects.
- Climate Change – PWS will consider climate change mitigation and adaptation, looking at the potential effect of climate change on the project as well as how the project might affect climate change (e.g. GHG emissions). MOECC noted that climate change guidelines for waste management facilities are expected in the spring of 2016 which will encourage proponents to consider more intense and frequent storm events.

Consultation Program

- The consultation program was designed to be consistent with the Code of Practice. The first steps in the program are this pre-consultation meeting with MOECC and one to take place with CK in the new year.
- The formal “launch” of consultation for the project will not start until negotiations with the neighbor are complete (anticipated early January). It was noted that the neighbour’s property is not needed to go ahead with the project, but it is PWS’ preference that this get finalized before the project is made public.
- Dillon had provided the MOECC with a list of Aboriginal communities for review and confirmation. The list provided has evolved over the history of the site from the late 1990’s to present and includes: Caldwell First Nation, Chippewas of the Thames First Nation, Moravian of the Thames First Nation, Munsee-Delaware First Nation, Oneida Nation of the Thames, Walpole Island First Nation, La Nation Huronne-Wendat, Sainte-Marie among the Hurons and the Métis Nation of Ontario.
- It was noted that Walpole Island First Nation was involved in the 1999 and 2010 EAs. Their more recent key areas of interest related to on-site planting and employment opportunities.
- The project team is planning two consultation events for the ToR: the first to introduce the project, the pre-EA work and receive community feedback; the second event to obtain feedback on the draft ToR. PWS is also planning to implement a project-specific CLC.
- A contact list for the project has been developed and includes the Government Review Team (GRT).
- A project-specific website will also be live for the duration of the project.

Proposed Schedule

- The current schedule proposes a draft ToR in Spring with a 30 day review period and submission of the final ToR to the MOECC in July 2016. This schedule may shift

depending on when negotiations are completed with the neighbouring landowner.

Summary of Guidance from MOECC for inclusion in the ToR

- Evaluate alternative methods for diversion in the EA.
- Consider landfill mining as a possible alternative method (or component of).
- Provide an explanation of how the list of Aboriginal communities was developed.
- Describe in detail the need and rationale for the project.
- The evaluation of alternatives should demonstrate consideration of various factors (not just cost), including social, heritage, and natural environment criteria.
- Include detail in the ToR related to how stakeholders will be identified for consultation activities, and how and when they will be engaged in the project as it progresses. This may reduce the number of questions or comments from the MOECC during their review.
- Discuss how the ToR was modified based on feedback from stakeholders and include a full record of consultation activities and comments (not just a summary comment/response table).
- Provide work plans for each environmental component (i.e., air) – that define what studies will be completed, timing, testing, how the results will be reviewed, etc. This information should be summarized in the ToR but the work plans can be appended as supplementary documents.
- Discuss climate change – both how it may impact the project and how the project may impact climate change. The MOECC indicated that new climate change guidance would be issued in the spring of 2016.
- The MOECC indicated they would be willing to review draft sections of the ToR and give feedback before the entire document is submitted.

Action Items

Action	Responsible Party
Provide examples of other waste ToRs where the alternative methods considered diversion.	MOECC
Confirm list of Aboriginal communities.	MOECC
Advise MOECC prior to Notice of Commencement for the project.	Dillon/PWS
Share new waste Regulations and guidance with project team as they are available.	MOECC
Provide updated Government Review Team (GRT) List	MOECC – Note that Dillon/PWS to notify MOECC prior to publishing Notice of Commencement to ensure GRT List is current.

Errors and/or Omissions: For any errors and/or omissions, please contact Megan Bellamy (416-229-4647, Ext. 2423) or mbellamy@dillon.ca



MEETING MINUTES

PROJECT: Chatham-Kent Pre-Consultation Meeting for the Ridge Landfill

DATE/TIME: March 30, 2016, 10:00 pm to 1:00 pm

LOCATION: Dillon Chatham Office – 10 Fifth Street South, Chatham, ON

PRESENT: Cathy Smith (PWS), Wes Muir (PWS), George South (PWS), Tim Kozlof (PWS), John Ferguson (Ridge CLC), Tim Dick (CK), Rick Kucera (CK), Bruce McAllister (CK), Paul Lacina (CK), Gary Komar (Dillon Consulting), Megan Bellamy (Dillon Consulting)

Introduction & Purpose of the Meeting

- All attendees introduced themselves.
- Cathy provided an overview of the purpose of the meeting. PWS is proposing to expand the Ridge Landfill and has initiated the process of preparing the EA ToR. The expansion would be done as an individual EA with the intention of submitting the ToR to the MOECC for approval in mid-2016.
- A key outcome of the pre-EA work completed to date is an opportunity for additional capacity to take the site from its existing closure date of 2022 and extend the life of the landfill by 20 years to 2042. The annual capacity would remain the same at 1.3 million tonnes per year.
- The expansion areas shown on the map depict more area than is needed for a 20 year extension of the life of the landfill, but these areas will provide options when it comes to outlining expansion alternatives in the EA.

Ridge Landfill Expansion Project

- Expansion Area A would be an expansion of the West Landfill. PWS is currently completing filling this area. Expanding the West Landfill area would require a rerouting of the Howard Drain. This would also require removal of the southwest woodlot, which is designated as “conservation area” in the Chatham-Kent Official Plan.
- Expansion Area B would be an expansion of the south landfill which is yet to be filled.
- Expansion Area C would require the creation of a new fill area and would require removal of the SE woodlot. PWS recently purchased a new piece of property which would make Area C a viable option for consideration.

- A final consideration would be mining of the Old Landfill area to create additional capacity and install a similar leachate collection system there and/or raise the height of the Old Landfill since it is currently lower than it needs to be according to the Transport Canada airport zoning bylaw. The option to increase the height of the Old Landfill does not require a new leachate system.
- The EA will consider different combinations of these expansion areas to increase the life of the landfill.
- The proposed expansion areas show the need to remove the SE and SW woodlots. PWS is planning to allow for replacement of this area in the “woodland compensation” area marked on the mapping (this would expand the northern woodlot). Amphibian, bird, botanical, bat and ecological land classification studies have been completed on the SE and SW woodlots with further studies on species at risk bat habitat to be completed in spring of 2016 in consultation with the MRNF. The flood control facility shown at the northwest end of the site would be increased with the landfill expansion. There is a block of land in the NW corner that PWS owns that would allow for this flood control facility expansion. The leachate control system for the new A, B and C fill areas would be similar to the existing system at the West Landfill. PWS has a zoning exemption with Transport Canada that ends at the former rail bed. This exemption would need to be extended to accommodate the expansion. The expansion may also require realignment of the Howard Drain.
- Currently landfill gas is managed, collected and flared at a facility on site. PWS is looking at beneficial use of the gas with consideration of gas utilization – convert to pipe ready natural gas to connect to Union Gas system. We are considering placing that facility on a property on the east side of Erieau road. That property could be used for future waste processing facilities that may come from market opportunities. PWS would like to move ahead with the gas facility independently of the landfill expansion.
- During PWS’ pre-consultation meeting with the MOECC, there was an emphasis on acknowledging the importance of climate change both from a mitigation perspective as well as considering what changing climate might mean from a water resource/stormwater perspective. This will be part of PWS’ considerations in the EA.
- One pre-EA study that was completed was the need/opportunity for disposal. The study area was defined as GTA-west and considered population, economic growth and waste generation, diversion and disposal needs. Low, medium and high diversion scenarios for residential and ICI wastes were considered in the assessment as well as the current disposal capacity for landfills within southern Ontario. The assessment assumed that the current export of waste to the USA would continue at its present rate (3M tonnes annually). This work will be included in the ToR and upcoming public consultation event.
- We also looked at “alternatives to” the landfill expansion, i.e. alternative ways of obtaining new disposal capacity. Four alternatives were evaluated: do nothing, close the site and open a new landfill, expand the life of the Ridge Landfill by increasing disposal capacity, and expand the Ridge Landfill with accommodation for resource recovery.

Screening criteria were applied to all four alternatives and the fourth alternative is the preferred alternative.

CK-PWS Diversion Opportunities

- The MOECC indicated they would like to see how diversion would be considered as part of the EA. As part of developing the EA alternative methods, PWS will consider system alternatives for diversion. PWS does diversion processing primarily near the waste source in their broader system and brings residual waste to Ridge. There are three diversion options being considered: Option 1 – no change to PWS current operations, Option 2 – consider centralized processing activities at Ridge serving southern Ontario, Option 3 – consider centralized processing activities at Ridge for more local market conditions (as opposed to regional).
- MOECC has a number of goals and objectives to reach higher diversion targets in the province within the Waste-Free Ontario strategy. This strategy/act will be considered in identifying diversion opportunities at Ridge. PWS would also like to discuss the potential for diversion opportunities with CK as the project progresses.
- CK's OP requires PWS to demonstrate that the current facility is within 10 years of the expected site life. Dillon has completed an analysis and memo to demonstrate that the landfill is set to close in 2022 – this can be demonstrated when re-zoning applications are submitted to CK.
PWS is prepared to proceed with the gas facility as soon as reassessment issues with MPAC are resolved.

Approval Requirements

- The project team would like to confirm the potential for the planning process approvals to run in parallel with the EA. During the last expansion of the Ridge, the planning approvals were done at the back end of the EA. We would like to approach this in a similar manner. Are there ways to conditionally approve Planning Act items pending approval of the EA? There would also be a more immediate need for approvals related to the gas facility. Environmental approvals will also be needed from the MOECC for the gas facility regardless of whether it's sited on the existing landfill footprint or on the other side of Erieau Road. From a permitting perspective, the team would like to separate the gas plant from the EA process.
- The proposed gas plant, if sited across the road, would require ECA, Site Plan, OPA and ZBA approvals. PWS has already implemented a similar facility at their Lachinae landfill in Quebec. CK indicated that planning justification will need to be done for the gas plant because they are designated as prime agricultural lands (the team would need to consider the PPS and OP). There would also be environmental considerations coming out of the ECA. The OPA could take six (6) months given the nature of the project, but there is opportunity to bundle the ZBA and Site Plan Approval together in the same timeline.

That can begin as soon as details are available. One formal public meeting is required for the OPA but council may request other informal public meetings ahead of time. Once preferred site development alternative is known for the expansion, we can initiate the Planning Act process with the municipality. Council will likely have more comfort once the EA is approved but the application can be put forward once the EA is submitted to MOECC. There is an option to have a public meeting for the OPA.

- As of May 2016, all development review is going to be completed internally with the planning department at CK.
- CK suggested that PWS should start the planning process for the landfill gas facility shortly to separate it from the EA. PWS indicated there is potential to have the landfill gas facility on-site and have it already permitted as an accessory use in the waste management zone. This would require amendment of the current ECA for the site to allow operation of the gas utilization plant. **CK would need to look at the existing site plan agreement to see if it needs to be altered.**
- There is one potential approval needed under the Drainage Act for the realignment of the Howard Drain to Charing Cross Road.
- PWS will have discussions with Transport Canada to figure out what is needed to get an expanded exemption across the rail line. **CK to provide us with a contact at TC.** Specific to the gas plant, if it is placed on the east side of Erieau Road, PWS would need to confirm with TC if they actually consider it as a waste facility. TC is mainly concerned with meeting height limits and bird control. They may also require NavCanada to be consulted.
- Offline ponds would be considered as part of landfill development and an OWRA approval, not Howard Drain construction under the Drainage Act. (Tim Dick asked about the Drainage Act and Howard Drain realignment).
- PWS are working with the MNR on potential SAR issues connected to the woodlots. Subject to MNR clearance, SAR issues would form rationale for the OPA to rezone land use. If OPA is needed, CK would like to see Endangered Species Act (ESA) permits (MNR clearance) before the OPA is undertaken to change land use zoning.
- CK raised some questions re gaining approval for the woodlots replacement? Typically PWS has not run into ESA species. The SAR of concern are bats. There is evidence of bats and bat habitats. MNR meeting is to agree on additional studies to be completed. Woodlots are considered significant in the OP. PWS has 15 hectares available for compensation/replacement.
- Apparently DFO needs to be more thorough with Drainage Act involvement. No recent municipal experience with woodlot removal.

Proposed Schedule

- Modest consultation program – newspaper notification and some meetings prior to the April 13th announcement date. (*Note post-meeting that this has changed to April 20th*) First publication in Blenheim newspaper followed by newspapers in Chatham. Targeted

outreach will occur, beginning with residents near the site and moving outward. Following the open house, PWS will do continued consultation with the goal of reaching as many people as possible. PWS is prepared for issues that will come up.

- PWS has a good relationship in the community and wants to continue positive relationships in the area. PWS have developed extensive messaging to ensure clarity on the main points. PWS wants to generate a lot of support.
- CK asked if PWS have discussed project with the Mayor or Councillors yet. PWS indicated that it was important to PWS to discuss and understand issues with staff, CLC and neighbours before speaking with Mayor or Councillors. PWS wants to manage messaging.
- PWS is meeting with Ward Councillors on April 5th and Mayor today (March 30). Current schedule is working towards a mid-year submission of the ToR and the timeline allows two (2) years from that point to complete and submit the EA – mid 2018. PWS have considered election cycles. EA submission would be prior to municipal election and just after provincial election. This schedule allows a year for EA approval.
- Originally PWS had Planning Act approvals at the time of EA approval but would like to advance this if possible. These approvals allowed for one (1) year for ECA approval up to 18 months. That application will be founded on all EA work and will be submitted once EA is granted.
- PWS service area for residential waste is proposed to be expanded to all of Ontario. CK staff suggested that this would be likely be an issue for CK Council.
- Ridge primary focus is ICI.
- CK suggested PWS needs to demonstrate the current capacity of Toronto landfill so CK constituents recognize that that Toronto residential waste is not going to Ridge.
- OWRA approvals require detailed design. PWS to advance detailed design in parallel with the ECA. Current schedule puts detailed design into a 2021 design completion timeline to have construction done for when the site would close. This schedule is tight and heightens the critical nature of the consultation program to address concerns as they arise.

Action Items

Action	Responsible Party
CK to look at the existing site plan agreement to see if it needs to be altered related to the proposed gas utilization facility.	CK
CK to provide us with a contact at TC.	CK
If OPA is needed, CK would like to see Endangered Species Act (ESA) permits where permitting is necessary (i.e., MNRF clearance) before the OPA commences.	PWS
PWS needs to demonstrate the current capacity	PWS

Action	Responsible Party
of Toronto landfill so CK constituents recognize that that Toronto's MSW waste is not going to Ridge	

Errors and/or Omissions: For any errors and/or omissions, please contact Megan Bellamy (416-229-4647, Ext. 2423) or mbellamy@dillon.ca



MEETING MINUTES

PROJECT: EA Terms of Reference Lower Thames Valley Conservation Authority Pre-Consultation Meeting for the Ridge Landfill

DATE/TIME: March 30, 2016 1:30 pm to 2:30 pm

LOCATION: Lower Thames Valley Conservation Authority Office – 100 Thames Street, Chatham, ON

PRESENT: Randall Van Wagner (Lower Thames Valley Conservation Authority), Valerie Towsley (Lower Thames Valley Conservation Authority), Jason Homewood (Lower Thames Valley Conservation Authority), Cathy Smith (PWS), Tim Kozlof (PWS), Gary Komar (Dillon Consulting), Megan Bellamy (Dillon Consulting)

Introduction & Purpose of the Meeting

- All attendees introduced themselves.
- PWS have met with MOECC, CK, CA today (March 30 2016) and are meeting with the MNRF next week.
- PWS is proceeding with an Individual EA of which PWS is at the ToR stage.
- The purpose of this meeting is to go over the project history and the proposed work.
- The current site has been in operation since the 1960s. The previous landfill was in operation from the 1960s until 2000. There was a facility expansion in 2000, which resulted in the creation of the west landfill. The current facility will reach capacity in 2022. PWS is initiating the Individual EA to look at additional capacity. During the expansion in 2000, SWM included ponds to collect, test, and then discharge to the drain system. The last expansion required relocation of the Duke and Howard Drains. The expansion resulted in a flood control facility to release pre-development flow to the downstream Howard Drain.
- There are three (3) woodlots on the Ridge Landfill that are currently beyond the existing landfill area footprint.
- Landfill gas is currently collected and flared on site. PWS is looking at constructing a gas utilization facility that would clean landfill gas and connect to the Union Gas system. Leachate is collected and sent to the Blenheim pollution control plant by pipeline.
- PWS sends the MOECC a stormwater and groundwater report annually. Reports indicated that the Site has performed within compliance parameters.

Ridge Landfill Expansion Project

- EA needs/opportunities study considered waste generation, diversion and disposal needs/opportunities for southern Ontario. The study also considered 3M tonnes exported to USA and examined low, medium and high diversion scenarios. The “alternatives to” report undertook a preliminary evaluation of four alternatives: do nothing, close the site and open a new landfill, expand the life of the Ridge Landfill by increasing disposal capacity, and expand the Ridge Landfill with accommodation for resource recovery. Screening criteria were applied to all four alternatives and the fourth alternative is the preferred alternative.
- The EA will look at ways to add capacity to the site and also look at diversion system alternatives.
- The proposed expanded area (A, B, C and Old Landfill) is greater than needed to extend the life of the landfill 20 years so the EA explores various combinations of the expanded fill areas.
- PWS has identified an area for woodlot compensation, which is larger than the area PWS would be impacting/removing.
- There is potential for the relocation of the Howard Drain.
- Ponds are offline and discharge to a municipal drain system after testing. The location of new ponds will depend on the preferred development alternative. The flood control facility size will increase. Accommodating climate change is something that the MOECC is concerned about. PWS will consider accommodating climate change in stormwater design on the site. The options that PWS are looking at include the old fill area – landfill mining - to increase capacity that way. The Old Landfill is much shallower than the others. The height of the Old Landfill can be raised to a similar height of the West Landfill.
- The options considered for diversion: existing PWS recovery happens close to source with residual waste coming to Ridge; processing facility across Erieau Road to take unprocessed waste from the southern Ontario capture area; local market driven approach based on the needs of Chatham or other local communities.
- Some studies have already been completed in the SW and SE woodlots – botanical surveys, ELC, amphibians, bats. Acoustical assessment for bats identified the potential for SAR bats. **PWS (Dillon) will confirm what studies required in these woodlots once we meet with MNRF.**
- PWS intends to do plantings on some existing berms on site. There are a few berms PWS cannot naturalize until PWS receives approval through the EA. PWS would like to involve the CA in creation of new woodlot. Creating a larger, more contiguous block of woodland with more interior is favourable.
- **CA interested in a potential windbreak around the property across Erieau Road.**

Proposed Schedule

- Formal public notification to take place in mid-April. The first open house will now occur in early May. The second open house is to take place before the summer to outline the framework of the ToR. The EA allows for a two (2) year timeframe for completion (to mid-year 2018). This also allows for another field season to complete additional studies that may be required. PWS is hopeful that EA approval would take one (1) year after submission to the MOECC, and the current schedule allows for a 12 month approval schedule for the ECA. The project would also need Planning Act approvals (OP/ZBA/Site Plan) from Chatham-Kent. PWS would also need an extension to the zoning exemption from the airport. OWRA approval will require detailed design so this would be done later.
- From 2019-2021, the schedule shows the initiation of approvals, design and construction. This is an aggressive schedule however; the facility is well known, well established and well connected to the community.
- The CA is no longer an acting agent of DFO. PWS (Dillon) would need to do an online review process. **CA to provide PWS/Dillon with information regarding DFO’s online review process.**
- DFO may want a site visit. PWS to expect that DFO will want to see that the Howard Drain surface area is maintained e.g. through meandering, despite the relocation. Realignment of the Howard Drain would be completed through the Drainage Act permitting process with the Chatham-Kent.
- **CA will want to know if the Scott Drain can handle additional capacity from the Howard Drain.** DFO may be interested in loss of length of Howard Drain if it is relocated. If PWS have ponds at top end of site, this can offset flow impacts.
- Earliest planting for north woodlot is spring 2017. Woodlot is proposed to be planted in annual stages, but CA would like to do more at each planting season. The CA is willing to help with the tree planting, including grant programs if available. PWS provided the CA with the proposed Ridge planting plan. There is an opportunity for PWS to support other CA planting projects. (i.e. at the SW corner of Hwy 40 and Hwy 401). **CA to provide a quote for planting.**
- CA’s main interest in Ridge Landfill Expansion will be the stormwater system.

Action Items

Action	Responsible Party
PWS (Dillon) to confirm with CA what studies are required in woodlots once PWS & Dillon have met with MNRF.	PWS (Dillon)
Provide PWS/Dillon with info regarding undertaking the DFO’s online review process	CA (Valerie)
Quote to PWS for planting	CA

Errors and/or Omissions: For any errors and/or omissions, please contact Megan Bellamy (416-229-4647, Ext. 2423) or mbellamy@dillon.ca



MEETING MINUTES

PROJECT: MNRF Pre-Consultation Meeting for the Ridge Landfill

DATE/TIME: April 5, 2016, 10:30 am to 11:30 am

LOCATION: MNRF Aylmer District Office – 615 John Street North, Aylmer, ON

PRESENT: Cathy Smith (PWS), Brian Forrestal (PWS), Mitch Wilson (MNRF), Heather Riddell (MNRF), Jason Webb (MNRF), Dan Bourassa (Dillon Consulting), Megan Bellamy (Dillon Consulting),

Introduction

- All attendees introduced themselves.
- MNRF used to have a field office in Chatham but have recently restructured. The Aylmer District Office covers Windsor, Norfolk, and Lambton County to Aylmer - the Walker Landfill falls within their jurisdiction.
- Heather will be the main MNRF contact for the Ridge Landfill Expansion Project. Heather coordinates technical staff review.

Ridge Landfill Expansion Project

- The Ridge Landfill has a good environmental history with the MOECC and the community.
- The Landfill is an example of excellent engineering as it has been in operation since 1966 with exceptional community relationship/support.
- PWS is proposing to expand the landfill since it is currently expected to reach capacity in 2022. The expansion would increase the life of the landfill approximately 20 years to 2042, but would not increase the annual capacity of 1.3 M tonnes.
- The final footprint of the expansion would be determined through the Individual EA process. PWS is also proposing a landfill gas facility, independently of the EA.
- Rezoning is needed for expansion and PWS has already discussed the expansion/rezoning with the CK municipality.

Pre-EA Field Studies

- Questions for MNRF:
 - 1) How to qualify SAR bat habitat?
 - 2) ESA 17(2)(c) permit – what would an overall benefit look like?
- Field work covers Step 1 and 2 of the current District protocol:
 - no SAR plants or birds were identified during field work in 2015;
 - mobile acoustic survey indicated presence of SAR bats foraging adjacent to the SW woodlot, but it has not been confirmed if they were present within the woodlot (sampling was done on the periphery).
 - mapping cavity trees;
 - no OBP in southern Ontario for bats yet; and,
 - PWS can suggest some ideas for the conditions of the permit.
- Using acoustic surveys to determine significant wildlife habitat on a case by case basis, is an open-ended process.
 - 10 acoustic surveys: for SAR, if there is one SAR identified PWS can stop, but if this feeds into significant habitat, PWS would need to do 10 surveys anyway.
- If using acoustic survey results to determine SWH, difficult to set a threshold.
 - Need feedback from the Region on this issue;
 - First time MNRF has been asked this.
- MNRF does not think there is any other SAR to be concerned about (indicated by Jason). There is no regulated habitat on site.
- MNRF indicates that it is the municipality's responsibility to determine significant wildlife habitat. MNRF will likely provide technical advice and recommendations for demonstrating no impacts. Ultimately it is the municipality's decision but CK may seek input from MNRF or the CA. MNRF would specifically comment on the ESA and wetland and would provide technical advice on other natural features.
- PWS would like woodland compensation area to be acknowledged as a portion of the overall benefit. PWS would start planting area as soon as possible (Spring 2017). It was suggested that a telephone pole with BrandenBark could be used for habitat compensation as well as an overall benefit.
- MNRF indicated that PWS needs to make sure consideration is made for the form and function of features being removed and recreating these features.
- Amphibian breeding point in April/May.
- Swampy area identified in ELC may need a wetland evaluation.

Questions for MNRF

- 1) Hedgerow removal – what does PWS need to do?
 - MNRF indicated that it depends on structure and if there are trees with potential habitats. Need to differentiate between hedgerows via visual exit survey combined with acoustic surveys.

- 2) One month ago, PWS received the following as coverage requirements: four (4) stations/h versus one (1) station/ha up to a max of 10 stations per polygon for other districts. Is it possible to reduce this requirement?
 - **MNRF will review and confirm this guidance since PWS has seen other coverage requirements.** MNRF will confirm if PWS can reduce the number of stations. PWS proposed one (1) station per hectare based on guidance from other Districts. PWS would use a wildlife acoustic monitor (approx. 50m range per microphone). **PWS will follow-up with monitor specs with MNRF (Jason).**
- 3) What is the timeline to get the C Permit if it is needed?
 - PWS can start working on permit as soon as habitat determination is made.
 - MNRF will expedite C Permit as much as possible.
 - PWS would only need to do the survey once.

Action Items

Action	Responsible Party
Confirm how significant wildlife bat habitat will be qualified based on acoustic results.	MNRF (to be confirmed by the Region)
Confirm guidance for field studies and consider reducing the requirement for monitoring (1 station/ha as compared with 4 stations/ha).	MNRF
Provide specifications for Wildlife Acoustic monitor to support reduction of sampling points (microphone detection range of ~50 m as compared with 20-30m range).	Dillon Consulting Limited

Errors and/or Omissions: For any errors and/or omissions, please contact Megan Bellamy (416-229-4647, Ext. 2423) or mbellamy@dillon.ca



MEETING MINUTES

PROJECT: Ridge EA Chatham-Kent Airport Meeting

DATE/TIME: May 12, 2016, 9:00 am to 10:00 am

LOCATION: Chatham-Kent Municipal Airport, 8528 14th Line, RR2, Merlin ON

PRESENT: Marion Smith (Airport), Miguel Pelletier (Chatham-Kent), Thomas Kelly (Chatham-Kent), Cathy Smith (PWS), Tim Kozlof (PWS), Megan Bellamy (Dillon Consulting)

Introduction to Progressive Waste Solutions (PWS)

- All attendees introduced themselves.
- Cathy Smith provided an overview of the purpose of the meeting. PWS is proposing to expand the life of the Ridge Landfill by 20 years and has initiated the process of preparing a Terms of Reference (ToR) for an individual Environmental Assessment (EA). As part of this proposed expansion, PWS would need an extension to the Airport Zoning Regulation exemption.
- It was noted that PWS is in the process of merging with Waste Connections of Texas. The merger process is set to be completed on June 1, 2016. Waste Connections will be the parent company of PWS, and while headquartered in Houston, Texas, PWS will continue to operate in Canada under its current name. It is expected that there will be no noticeable difference in PWS Canadian operations.
- Thomas Kelly indicated they (Chatham-Kent) are in favour of the expansion and noted that PWS has been a positive influence in the community and has managed waste and recycling programs very well.

History of the Ridge Landfill

- The Ridge Landfill opened in 1966.
- The last physical expansion of the landfill site occurred in 1997, and saw the landfill expand to the west and south. In 2011, the Ridge was approved to receive a higher tonnage of annual waste (1.3 million tonnes annually). This will stay the same for the current expansion; the current expansion is only to extend the life of the landfill by another 20 years.
- The landfill operates from 7:00 am to 5:00 pm, Monday to Saturday.

EA Process for Proposed Landfill Expansion

- The EA will consider different combinations of expansion areas to increase the life of the landfill.
- The Ministry of the Environment and Climate Change (MOECC) indicated they would like to see how waste diversion would be considered as part of the EA. As part of developing the EA alternative methods, PWS will consider system alternatives for diversion and partnering opportunities with Chatham-Kent for increased diversion.

Potential Expansion Areas

- The vertical height of the landfill cells will not change. It is understood that the airport has a 40 m height restriction.
- There is potential for vertical expansion of the Old Landfill; however, it wouldn't exceed the 40 m height restriction, which includes the height of trucks on the surface of the fill area.
- PWS is planning to construct and operate a gas plant across the street from the current landfill site (east of Erieau Road); no gases or smoke will be created from this process.
- The landfill site is surveyed on an annual basis to ensure that height requirements are being met.
- Fires are handled by on-site emergency response staff. PWS staff give authority to the Municipal Fire Department should they enter the site.
- Miguel Pelletier expressed concern that there could be greater potential for fires fuelled by methane from waste or fuel if a plane were to crash. It was noted that the potential expansion is not anticipated to pose any greater risk of fire than already exists, and PWS has worked with local emergency response teams to ensure appropriate protocols are in place.
- The proposed expansion areas show the potential need to remove the SE and SW woodlots. PWS is proposing to replace these areas by way of "woodlot compensation" by expanding the northern woodlot.
- Airport staff expressed concern that northern woodlot expansion may result in increased wildlife conflicts (bird nesting/habitat and potential bird strikes with aircraft), and expressed a preference for there being no woodlot compensation on-the northern woodlot.
- Woodlot compensation east of Erieau Road was considered a better option since the planes would be at a higher altitude when flying over that area.

Bird Management at the Ridge Landfill

- PWS has a bird control program with professional staff coming on-site a few times per day to scare the birds away from the active waste cell. These staff may now be asked to

monitor the Airport radio frequency to ensure aircraft are not arriving during bird management activities. **Marion Smith may provide Tim Kozlof with a radio to keep on-site that can be used to monitor the frequency. PWS to cover the cost of the radio.**

Zoning Regulation Exemption and Transport Canada

- PWS has a zoning exemption with Transport Canada that ends at the former rail bed. This exemption would need to be extended to accommodate the proposed expansion.
- Rezoning by Transport Canada is not an issue as long as the height of the landfill cells remains 40 m or less and that birds and wildlife continue to be managed.
- Margaret Menzel (Transport Canada) will be giving a response in early June; **Marion Smith to send Megan Bellamy an email address for Transport Canada so Dillon can get confirmation of this in writing.**

Action Items

Action	Responsible Party
Airport may give Ridge a radio to keep onsite for use in bird management operations	Airport
Airport to send Megan another email contact address at Transport Canada so Dillon can obtain confirmation in writing	Airport (completed).

Errors and/or Omissions: For any errors and/or omissions, please contact Megan Bellamy (416-229-4647, Ext. 2423) or mbellamy@dillon.ca

MEETING MINUTES

PROJECT: Ridge Landfill EA – ToR Meeting

DATE/TIME: June 6, 2016, 1:30 pm to 2:30 pm

LOCATION: MOECC Offices – 135 St. Clair Avenue West, 5th Floor

PRESENT: Cindy Batista (MOECC), Tim Kozlof (PWS), Gary Komar (Dillon Consulting), Karla Kolli (Dillon Consulting), Megan Bellamy (Dillon Consulting)

Update to the Project

- Pre-consultation meetings for the project have taken place with the Municipality of Chatham-Kent as well as the Ridge Landfill Liaison Committee (RLLC). The RLLC is comprised of members of the community as well as municipal councilors and is focused on the operation of the landfill.
- The Notice of Commencement of the Terms of Reference (ToR) was published in four newspapers along with the Notice of the first Open House.
- The first Open House was held on May 3rd and was attended by approximately 60 people. The comments were generally positive, with some concerns related to timing, compensation and nuisance effects. The Open House was able to address some misconceptions about where the waste comes from (i.e., Toronto). The second Open House is scheduled to be held on June 28th.
- Pre-consultation meetings also took place with the Ministry of Natural Resources and Forestry (MNR) and the Lower Thames Valley Conservation Authority (LTVCA).
- Natural environment studies have taken place at the site, including botanical surveys, Ecological Land Classification (ELC), breeding birds and amphibians. Bat acoustic monitoring is taking place now.
- Three separate outreach letters were sent to Indigenous Communities by John Beaucage (PWS has retained him to assist with Indigenous consultation). Meetings are occurring soon with Walpole Island First Nation and Caldwell First Nation.
- PWS now owns the neighbour's property that was contiguous to theirs. The site development options that PWS is proposing will include this property.

Discussion of Alternative Methods

- The preferred Alternative To is to expand the Ridge Landfill and include opportunities for resource recovery. The Alternative Methods outline different ways of implementing this preferred Alternative To.
- Resource Recovery Alternatives will be explored on a PWS system level. There are three options being considered:
 1. Process waste near the generator and supplement with a public drop-off location at Ridge. This option represents the ‘status quo’ and is representative of PWS’ current activities.
 2. Alter PWS diversion processing framework by developing centralized processing facilities for Southern Ontario at the Ridge. This option also includes a public drop-off location.
 3. Develop processing facilities at the Ridge for local market opportunities (i.e., Chatham-Kent and surrounding five counties). This option also includes a public drop-off location.
- The criteria for Resource Recovery Alternatives would have a bias toward transportation considerations.
- PWS owns a parcel east of Erieau Road that could also be used for diversion activities. The changes to legislation could create opportunities for PWS to increase waste diversion activities.
- The Alternative Methods will consider different ways of expanding the Ridge landfill. The options for expansion are either lateral (construction of new waste cells), vertical (increasing the height of the Old Landfill), and/or landfill mining. The preferred site development alternative will include some combination of these.
- The landfill has been operating since 1966 and PWS has been filling the West Landfill since 2000. A tender is out to construct the first South Landfill cell. The leachate collection system for any new cells would remain the same as for the current cells, with an underdrain, and with the leachate pumped to the municipal wastewater treatment facility in Blenheim. Landfill gas is collected and flared on-site.

Considerations for the ToR

- Cindy suggested that the project team ask the following questions when describing diversion opportunities: *How will the project be impacted by the Act? How will the project complement the Act?* The ministry is particularly interested in opportunities to increase waste diversion and reduce greenhouse gases.
- Cindy suggested that the team look at the Notice of Approval for the Humberstone EA. It was the last approved landfill expansion and included a vertical expansion of the landfill.
- Cindy indicated that climate change guidelines may be released for public comment in the fall of 2016. The ToR should consider how the project would be impacted by climate change, and how climate change would be impacted by the project. The ToR should also consider cumulative impacts, source water protection, and regional waste management.

Project Schedule

- The Draft ToR will be available around the same time as the second Open House (scheduled for June 28th). The team is anticipating that the final ToR will be submitted around the end of August and anticipates that approval will come from the Ministry around end of December 2016.
- Cindy mentioned that the final ToR needs to acknowledge and describe how agency comments on the draft ToR were addressed.

Other Items

- Indigenous consultation is very important and proponents should be encouraged to make as many connections as possible.
- Cindy asked if visual impact has been a concern in the community. The perimeter berm is naturalized and the community has long-term awareness about the height of the cells.

Action Items

Action	Responsible Party
Follow up with GRT team to see if they would like a hard or electronic copy of the draft ToR.	MOECC
Follow up with MOECC London District office to see if they would prefer a hard or electronic copy of the ToR.	MOECC
Include correspondence with the MNRF as part of the Record of Consultation.	PWS/Dillon
Provide an update to the MOECC about the second Open House and upcoming meetings with the Walpole Island and Caldwell First Nation.	PWS/Dillon

Errors and/or Omissions: For any errors and/or omissions, please contact Megan Bellamy (416-229-4647, Ext. 2423) or mbellamy@dillon.ca



Canadian Environmental
Assessment Agency

Ontario Regional Office
55 St. Clair Avenue East,
Room 907
Toronto, ON M4T 1M2

Agence canadienne
d'évaluation environnementale

Bureau régional de l'Ontario
55, avenue St-Clair est,
bureau 907
Toronto (Ontario) M4T 1M2

April 27, 2016

Sent by E-mail

Cathy Smith, Project Manager
Progressive Waste Solutions Canada Inc.
Cathy.Smith@progressivewaste.com

Dear Ms. Smith:

Re: Information on the *Canadian Environmental Assessment Act, 2012*

Thank you for your correspondence regarding the Ridge Landfill, Blenheim Ontario.

The *Canadian Environmental Assessment Act, 2012* (CEAA 2012) focuses federal environmental reviews on projects that have the potential to cause significant adverse environmental effects in areas of federal jurisdiction and applies to physical activities described in the *Regulations Designating Physical Activities* (the Regulations). Based on the information provided, your project does not appear to be described in the Regulations. **Kindly review the Regulations to confirm applicability to the proposed project.**

If you believe the project is not subject to a federal environmental assessment, and do not submit a project description, we kindly request that you remove the Canadian Environmental Assessment Agency from your distribution list.

If you have questions, please get in touch with our office through the switchboard at 416-952-1576. The attachment that follows provides web links to useful legislation, regulation, and guidance documents.

Sincerely,

Anjala Puvananathan
Director, Ontario Region
Canadian Environmental Assessment Agency

Attachment – Useful Legislation, Regulation, and Guidance Documents

Attachment – Useful Legislation, Regulation, and Guidance Documents

For more information on the *Canadian Environmental Assessment Act, 2012* (CEAA 2012), please access the following links on the Canadian Environmental Assessment Agency's (the Agency) website:

Overview of CEAA 2012

<http://www.ceaa.gc.ca/default.asp?lang=En&n=16254939-1>

Regulations Designating Physical Activities, and Prescribed Information for a Description of a Designated Project Regulations

<http://www.ceaa.gc.ca/default.asp?lang=En&n=9EC7CAD2-1>

If your project is in a federally designated wildlife area or migratory bird sanctuary please check section 1 of the Regulations, which details the designated projects specific to those locations.

If it appears that CEAA 2012 may apply to your proposed project, you must provide the Agency with a description of the proposed project. Please see the link below to the Agency's guide to preparing a project description.

Guide to Preparing a Description of a Designated Project

[http://www.ceaa.gc.ca/63D3D025-2236-49C9-A169-DD89A36DA0E6/Guide to Preparing a Description of a Designated Project under CEAA 2012.pdf](http://www.ceaa.gc.ca/63D3D025-2236-49C9-A169-DD89A36DA0E6/Guide%20to%20Preparing%20a%20Description%20of%20a%20Designated%20Project%20under%20CEAA%202012.pdf)

April 20, 2016

Ms. Anjala Puvananathan
Director, Ontario Region
Canadian Environmental Assessment Agency
55 St. Clair Avenue East, Suite 907
Toronto, ON M4T 1M2

Dear Ms. Puvananathan:

We want to advise you that Progressive Waste Solutions has announced today that it will be seeking an expansion of the Ridge Landfill. Attached is the newsletter that we're sending out to our neighbours, those along the haul route, and the communities of Blenheim, Charing Cross and Cedar Springs.

Our other proposed future plans for the landfill include: the development of a biogas facility to convert landfill gas into a pipeline quality natural gas; the expansion of a public drop-off depot to allow residents and businesses to divert household hazardous and electronic wastes and other recyclables including scrap wood, scrap metal, drywall, concrete, tires, paints, etc., which are not being collected in the current residential recycling program, and; the construction of a new community activity centre.

The landfill would continue to be designed, developed and operated following stringent Ontario Ministry of Environment and Climate Change landfill regulations and will not involve an increase to current annual waste volumes.

The Ridge Landfill will continue its annual contribution of approximately \$13 million into the local economy, including directly contributing \$4 million annually to the local community as well as other direct and indirect benefits on average of \$9 million annually in salaries, construction and road maintenance, goods and services purchased, taxes, etc.

The proposed expansion will require the completion of an Individual Environmental Assessment (EA) under the Ontario EA Act in a mandatory two-step process.

- The first step involves the preparation of an EA Terms of Reference (ToR) which identifies the need/opportunity for disposal capacity and outlines the road map for the EA. The ToR must be approved by the Ministry of Environment and Climate Change.
- The second step is undertaking the EA. The EA would look at different ways to develop the facility, the potential for environmental effects and how effects could be mitigated.

Both steps will provide opportunities for consultation with neighbours, local residents and other stakeholders.

The public's input is very important and you will likely have questions and want to know that the environment and the enjoyment of the property will be protected. The public consultation process will

Page 2

Ms. Anjala Puvananathan

April 20, 2016

begin with an Open House on May 3rd at St. Mary's Hall, 94 George Street in Blenheim from 5:00 to 8:00 pm.

We look forward to keeping in touch throughout this process. If you have any questions or comments, please call us at (519) 676-5000 or visit our website – www.ridgelandfill.com.

Yours sincerely,



Cathy Smith
Project Manager



Tim Kozlof
District Manager



Infrastructure & Development Services Division
789 Broadway Street, Box 3000
Wyoming, ON N0N 1T0

Telephone: 519-845-0801
Toll-free: 1-866-324-6912
Fax: 519-845-3872

June 13, 2016

Progressive Waste Solutions
400 Applewood Crescent, 2nd Floor
Vaughan, ON L4K 0C3

Attention: Cathy Smith, Project Manager

Dear Ms. Smith:

Re: Expansion of Ridge Landfill

Lambton County Council, at its meeting June 1, 2016, endorsed the following motion:

*#1: Bradley Gillis: That correspondence PW 06-02-16 be received and filed.
Carried.*

Should you require anything further, please contact the undersigned.

Yours truly,

Jason Cole, P.Eng.
General Manager

July 4, 2016

Response to EA Notice

Thank you for providing Infrastructure Ontario (IO) with a copy of your Environmental Assessment Notice. From the information you have provided, it is unclear if you are proposing to use lands under the control of the Minister of Economic Development, Employment and Infrastructure (MIO lands) to support your proposed project.

Prior to MOI consenting to the use of MIO lands, the applicable environmental assessment, duty to consult Aboriginal peoples (if triggered) and heritage obligations will need to be met. In order for MIO to allow you access to MIO lands and to carry out proposed activities, MIO must ensure that provincial requirements and due diligence obligations are satisfied. These requirements are in addition to any such obligations you as the proponent of the project may have.

You as the proponent of the project will be required to work with Infrastructure Ontario (IO) to fulfill MIO's obligations which may include considering the use of any MIO lands as part of your individual environmental assessment. All costs associated with meeting MIO's obligations will be the responsibility of the proponent. Please note that time should be allocated in your project timelines for MIO to ensure that its obligations have been met and to secure any required internal government approvals required to allow for the use of the MIO lands for your proposed project.

In order for MIO and IO to assist you to meet your required project timelines, please recognize that early, direct contact with IO is imperative. The due diligence required prior to the use of MIO lands for your proposed project, may include but may not be limited to the following:

- Procedural aspects of the Provincial Crown's Aboriginal Duty to Consult obligations – see *Instruction Note 1*
- Requirements of the MOI Public Work Class Environmental Assessment – see *Instruction Note 2*
- Requirements of the Ministry of Tourism Culture and Sport (MTCS) Standards and Guidelines for Consultant Archaeologists– see *Instruction Note 3*
- Requirements of the MTCS Standards and Guidelines for the Conservation of Provincial Heritage Properties Consultant Archaeologists – see *Instruction Note 4*

Representatives from IO are available to discuss your proposed project, the potential need for MIO lands and the corresponding provincial requirements and due diligence obligations.

Please review the attached instruction notes which provide greater detail on the due diligence obligations associated with the use of MIO lands for your proposed project. We are providing this information to allow you as the proponent to allocate adequate time and funding into your project schedule and budgets. If your project requires you to study MIO lands, then an agreement is required and all studies undertaken on MIO lands will be considered confidential until approval is received. IO will require electronic copies of all required studies on MIO lands that you undertake.

We strongly encourage you to work with IO as early as possible in your process to identify if any

MIO lands would be required for your proposed project. Please note that on title MIO control may be identified under the name of MIO or one of its predecessor ministries or agencies which may include but is not limited to variations of the following: Her Majesty the Queen/King, Hydro One, MBS, MEI, MGS, MOI, OLC, ORC, PIR or Ministry of Public Works¹.

Please provide Rita Kelly with a confirmation in writing of any MIO lands that you propose to use for your proposed project and why the lands are required along with a copy of a title search for the MIO lands.

For more information concerning MIO lands in your study area or the process for acquiring access to or an interest in MIO lands, please contact:

Rita Kelly
Project Manager
Land Transactions, Hydro Corridors & Public Works
Infrastructure Ontario
1 Dundas St. West, Suite 2000
Toronto ON
M5G 2L5
Tel: (416) 212-4934
Email: rita.kelly@infrastructureontario.ca

An application package and requirements checklist is attached for your reference. Please note that transfer of an interest in MIO lands to a proponent can take up to one year and there is no certainty that approval will be obtained.

For more information concerning the MOI Public Work Class Environmental Assessment process and due diligence requirements, please contact:

Lisa Myslicki
Environmental Specialist
Infrastructure Ontario
1 Dundas Street West, Suite 2000
Toronto, ON
M5G 2L5
Tel: (416) 212-3768
Email: lisa.myslicki@infrastructureontario.ca

¹ MBS - Management Board Secretariat; MEI - Ministry of Energy and Infrastructure; MGS - Ministry of Government Services; MOI - Ministry of Infrastructure; OLC - Ontario Lands Corporation; ORC - Ontario Realty Corporation; PIR - Ministry of Public Infrastructure Renewal

If MIO lands are not to be impacted by the proposed project, please provide a confirmation in writing to Infrastructure Ontario.

Thank you for the opportunity to provide initial comments on your proposed project.

Sincerely,

Patrick Grace
Director
Land Transactions, Hydro Corridors & Public Works
Infrastructure Ontario
Dundas St. West, Suite 2000
Toronto, ON, M5G 2L5

INSTRUCTION NOTE 1

Provincial Crown's Aboriginal Duty to Consult obligations

The Crown has a constitutional Duty to Consult (DTC) in certain circumstances and Aboriginal consultation may be required prior to MIO granting access to MIO lands or undertaking other activities. The requirement for Aboriginal consultation may be triggered given Aboriginal or treaty rights, established consultation or notification protocols, government policy and/or program decisions, archaeological potential or results, and/or cultural heritage consultation obligations. The requirement for Aboriginal consultation will be assessed by MIO.

Prior to the use of MIO lands, MIO must first meet any duty to consult obligations that may be triggered by the proposed use of MIO lands. It is incumbent on you to consult with IO as early in the process as possible once you have confirmed that MIO lands would be involved.

MIO will evaluate the potential impact of your proposed project on Aboriginal and treaty rights. MIO may assess that the Crown's Duty to Consult (DTC) requires consultation of Aboriginal communities. Proponents should discuss with IO whether MIO will require consultation to occur and if so, which communities should be consulted.

Where MIO determines that Aboriginal consultation is required, MIO will formally ask you to consult or continue to consult with Aboriginal peoples at the direction of MIO.

On behalf of MIO you will also be required to:

1. Maintain a record and document all notices and engagement activities, including telephone calls and/or meetings;
2. Provide the Ministry updates on these activities as requested; and
3. Notify the Ministry of any issues raised by Aboriginal communities.

If consultation has already occurred, IO strongly encourages you to provide complete Aboriginal consultation documentation to IO as soon as possible. This documentation should include all notices and engagement activities, including telephone calls and/or meetings.

Any duty to consult obligations must be met prior to publically releasing the Notice of Completion for the assessment undertaken under the MOI PW Class EA.

INSTRUCTION NOTE 2

Requirements of the MOI Public Work Class Environmental Assessment

MIO has an approved Class EA (the Ministry of Infrastructure Public Work Class Environmental Assessment (Public Work Class EA) to assesses undertakings that affect MIO lands including disposing of an interest in land or site development. Details on the Public Work Class EA can be found at:

<http://www.infrastructureontario.ca/Templates/Buildings.aspx?id=2147490336&langtype=1033>

You may be required to work with IO to complete an environmental assessment under the Public Work Class EA for the undertakings related to MIO lands. IO will work with you to ensure that all of the MIO undertakings or activities related to the use of MIO lands are identified, that the appropriate Category of undertaking is used and a monitoring and report back mechanism is established to ensure that MIO's obligations are met.

The completion of another environmental assessment process that assesses the undertakings related to MIO lands may satisfy MIO's obligations under the Public Work Class EA. You will be required to work with IO to determine the most appropriate approach to meeting the Public Work Class EA obligations for undertakings related to MIO lands on a case by case basis.

Where it is decided that the assessment of undertakings related to MIO lands can be assessed as part of the environmental assessment being undertaken by the proponent then it is likely that the following provisions will be required:

- that the environmental assessment documents set out that one process will be relied on by both the proponent and MIO to evaluate their respective undertakings and meet their respective obligations to assess the potential impacts of their undertakings;
- that the proponent's description of the undertaking to be assessed include all of the MIO undertakings related to the use or access to MIO lands (see Glossary of Terms);
- the associated EA Category from the Public Works Class EA be identified and met by the environmental assessment (see Figure 22. Category Listing Matrix and/or Tale 2.1 EA Category Identification Table);
- that the proponent's environmental assessment indicate that MIO would be relying on the proponent's assessment to satisfy MIO's obligations under the *Environment Assessment Act*,
- establish a monitoring and report back mechanism to ensure that any obligations of MIO resulting from the assessment will be met; and

An environmental assessment consultation plan be developed to ensure that all stakeholders required to be consulted regarding the undertakings on the MIO lands are consulted

Other Due Diligence Requirements

There may also be other additional due diligence requirements for the use of MIO lands in the proposed project. These may include:

- Phase One Environmental Site Assessment and follow up
- Stage 1 Archaeological Assessment and follow up

- Survey
- Title Search
- Species at Risk Survey(s)
- Appraisal

INSTRUCTION NOTE 3 – ARCHAEOLOGY - (see also *Instruction Note on Duty to Consult*)

Archaeological sites are recognized and protected under the *Ontario Heritage Act*. Carrying out archaeological fieldwork is a licensed, regulated activity under the 2011 Ministry of Culture Standards and Guidelines for Consulting Archaeologists. Please visit.....

Archaeological due diligence is required for any proposed project on MIO land that could cause significant below ground disturbance such as, new building construction, installation/modification of site services, and installation/maintenance of new pipelines or transmission lines.

You, as the proponent, must engage IO prior to undertaking any archaeological work on MIO lands.

IO has two in-house licensed archaeologists who should be consulted early in the preparatory stages of a proposed project when geographic and site locations are being considered so that the potential for archaeological resources including historic and Aboriginal material (ion Aboriginal villages and burials sites) can be assessed.

To support both the Public Work Class EA and MIO's duty to consult analysis, archaeological assessments are required to determine if there are any significant findings that may be of cultural value or interest to Aboriginal people (e.g., archaeological or burial sites).

Archaeological work can begin before the assessment under the Public Works Class EA begins but the Class EA cannot be completed until the duty to consult that may be triggered regarding archaeological resources are fulfilled.

Depending upon the number or significance of resources found, the duty to consult may be triggered during any of the 4 phases of archaeological work (see below) or anytime during project construction.

The discovery of Aboriginal resources can impact on activities, including project and site plans, timelines and all costs. As the proponent, you are expected to ensure that you project timelines include adequate time and resources to address MIO due diligence obligations, including internal government approvals. All costs associated with meeting MIO's archaeological obligations will be the responsibility of the proponent.

For Archaeological Assessments (Stages 1 through 4), proponents must adhere to the four stage archaeological fieldwork process prescribed by the Ontario Ministry of Tourism, Culture and Sport (MTCS) as per the 2011 Standards and Guidelines for Consultant Archeologists. Not all noted Stages will be necessary for all work. Respondents must follow industry procedures and practices as per the MTCS Standards and Guidelines for Consultant Archeologists 2011 for each Stage of archaeological assessment, all reporting criteria and formatting, and any other license requirements and/or obligations.

- Stage 1 Background Study - Evaluation of Archaeological Potential
 - Archival research and non-intrusive site visit
- Stage 2 Property Assessment

- In-field systematic pedestrian survey or test pitting and reporting
-
- Stage 3 Site-specific Assessment
 - Limited excavation to determine site significance and size
 - Field works and reporting
- Stage 4 Site mitigation
 - Through either avoidance/protection or excavation Field work 4 to 8 weeks
 - Develop summary report
 - MTCS review – expedited review of summary report 6 weeks
 - Final report
 - Time to develop and implement mitigation measures – negotiation, legal protections, avoidance

IO Contact Information and direction to IO website....

INSTRUCTION NOTE 4 – HERITAGE REQUIREMENTS

Built Heritage/Cultural Landscapes

Built heritage/cultural landscapes (cultural heritage) are recognized and protected under the Ontario Heritage Act, the regulations to that Act and the 2010 Ministry of Culture Standards and Guidelines for Conservation of Provincial Heritage Properties (S&Gs) Criteria for determining cultural heritage value or interest are set out in O. Reg. 9/06 and 10/06. The S&Gs set out a process for identifying properties of cultural heritage value, and the standards for protection, maintenance, use and disposal of these properties. Please visit.....

Cultural heritage due diligence will be required for any proposed project on MIO land with the potential to impact cultural heritage resources, such as new building construction, installation/modification of site services, landscape modifications and installation/maintenance of new pipelines, transmission lines.

To support MIO's heritage and MOI PW Class EA obligations, proponents will be required to undertake cultural heritage assessments for all projects that require MIO lands. This will help to determine if the MIO lands are of cultural value or interest to the Province and the level of heritage significance. Where a property has heritage value, proponents may be required to develop appropriate conservation measures/plans and heritage management plans.

You, as the proponent, are strongly encouraged engage IO heritage staff as early in your project planning process as possible and in advance of beginning any cultural heritage assessment work. IO staff will be able to provide advice on the S&Gs and will provide any available heritage information for the MIO lands.

Proponents must also follow industry procedures and practices for all components of cultural heritage assessment work, all reporting criteria and formatting, and any other requirements and/or obligations. IO heritage staff can help identify any required reports.

Should MIO lands be identified under the S&Gs as a Provincial Heritage Property (local significance) or a Provincial Heritage Property of Provincial Significance, IO must be engaged to determine next steps.

Please note that if a Provincial Heritage Property of Provincial Significance is to be impacted, it is likely that consent from the Minister, Ontario Minister, Tourism, Culture and Sport (MTCS) will be required prior to access being granted to MIO lands. Minister's consent requires a detailed application and approvals should land dispositions or building demolitions be applied for as part of the proposed project.

As the proponent, you are expected to ensure that your project timelines include adequate time and resources to address MIO's heritage due diligence obligations, including internal government approvals. All costs associated with meeting MIO's heritage obligations are the responsibility of the proponent.

Staff contacts.....



Allan, Catherine <callan@dillon.ca>

RE: Ridge Landfill EA - Draft Terms of Reference and Record of Consultation for review

1 message

Jason Homewood <Jason.Homewood@ltvca.ca>

Wed, Jul 27, 2016 at 4:12 PM

To: "callan@dillon.ca" <callan@dillon.ca>

Cc: Valerie Towsley <Valerie.Towsley@ltvca.ca>, Randall Van Wagner <Randall.Vanwagner@ltvca.ca>

Catherine,

Valerie Towsley and I have reviewed the below reports with specific reference to the sections related to the Lower Thames Valley Conservation Authority. The comments appeared accurate.

Thanks,

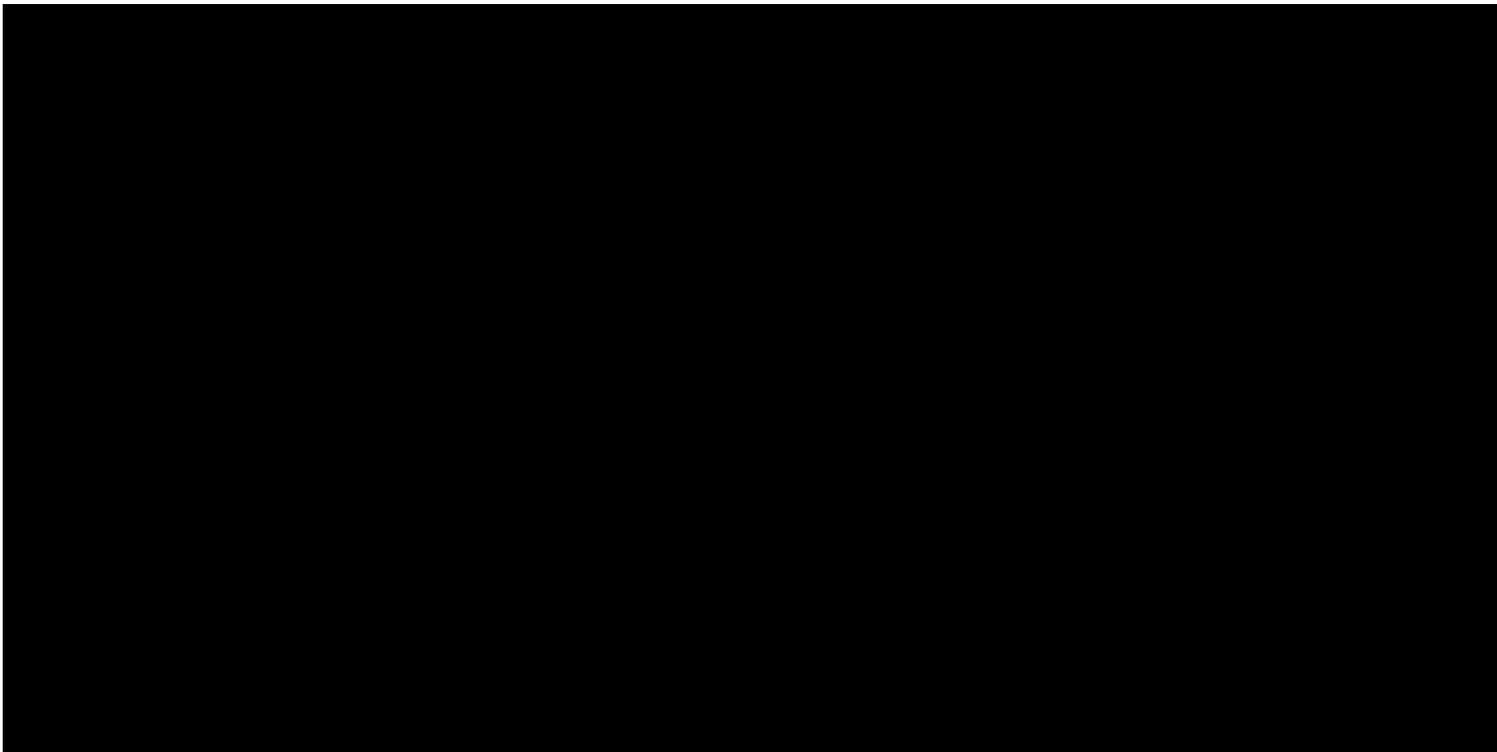
Jason Homewood, P.Ge.
Water Resources and Regulations Technician
Lower Thames Valley Conservation Authority

From: Valerie Towsley

Sent: Wednesday, July 13, 2016 8:21 AM

To: Jason Homewood

Subject: FW: Ridge Landfill EA - Draft Terms of Reference and Record of Consultation for review



Good day,

On June 27, 2016, you were provided with a copy of the Draft Terms of Reference and Record of Consultation for the Ridge Landfill expansion. We wanted to take this opportunity to follow up and remind you that the comment and review period is currently underway. Comments from the public, agencies and interested parties are due by July 28, 2016. You can download the report files at the following link:

<https://www.dropbox.com/sh/5csxk78jvcjoab/AAC6Eo4W0DztbOgFduDzfFCla?dl=0>

If you are able to, we would appreciate you letting us know if you plan to submit comments on the reports.

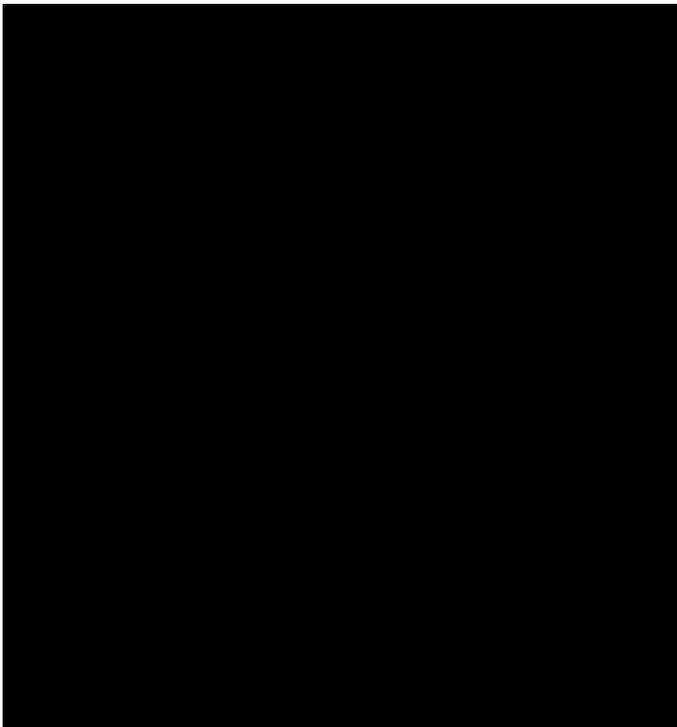
Should you have any questions or comments about the Ridge Landfill expansion, please do not hesitate to contact the undersigned:

Cathy Smith, Project Manager

Progressive Waste Solutions Canada Inc.

T: 519-676-5000

Email: cathy.smith@progressivewaste.com





Allan, Catherine <callan@dillon.ca>

Fwd: Ridge Landfill EA - Draft Terms of Reference and Record of Consultation for review

1 message

11 PM

orge

From: Rick Kucera <RICKK@chatham-kent.ca>
Date: July 26, 2016 at 5:15:51 PM EDT
To: "Allan, Catherine" <callan@dillon.ca>, "cathy.smith@progressivewaste.com" <cathy.smith@progressivewaste.com>
Subject: RE: Ridge Landfill EA - Draft Terms of Reference and Record of Consultation for review

Catherine/Cathy, please note that the draft TOR were reviewed internally by several staff including the SmartGrowth Committee and Chatham-Kent will not likely be commenting at this stage of the process.

Thanks,

Rick Kucera

Manager, Waste and Recycling Services

Municipality of Chatham-Kent

Phone: [519.360.1998](tel:519.360.1998) x3930

Fax: [519.436.3240](tel:519.436.3240)

315 King Street West, P.O. Box 640

Chatham, Ontario, N7M 5K8

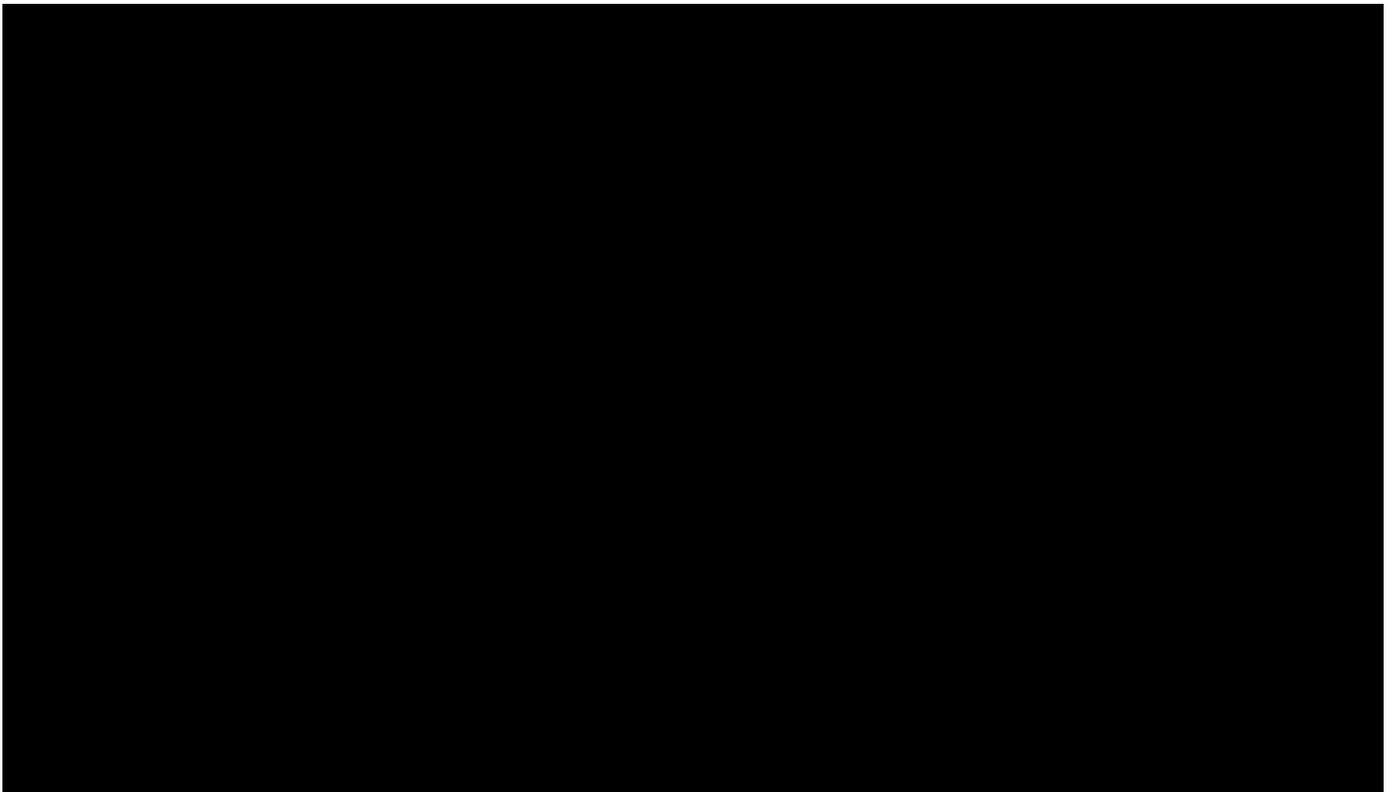
E-mail: rick.kucera@chatham-kent.ca

www.chatham-kent.ca

Reduce, Re-use and Recycle!

cid:image005.png@01D11323.F7786260

This communication is subject to the *Municipal Freedom of Information and Protection of Privacy Act* (Ontario) and/or *Personal Health Information Protection Act* (Ontario). This communication may be confidential. Unauthorized use is strictly prohibited. If you are not the intended recipient, please delete this email immediately.





Allan, Catherine <callan@dillon.ca>

Class EA - Ridge Landfill Expansion Project, Blenheim, ON: NEATS 42669

1 message

EnviroOnt <EnviroOnt@tc.gc.ca>

Wed, Aug 10, 2016 at 10:38 AM

To: "cathy.smith@progressivewaste.com" <cathy.smith@progressivewaste.com>

Cc: 152456 <152456@dillon.ca>, "Allan, Catherine" <callan@dillon.ca>

Hello,

Thank you for your correspondence.

Please note Transport Canada **does not** require receipt of all individual or Class EA related notifications. We are requesting project proponents to self-assess if their project will interact with a federal property **and** require approval and/or authorization under any Acts administered by Transport Canada*.

Under the *Canadian Environmental Assessment Act, 2012*, Transport Canada is required to determine the likelihood of significant adverse environmental effects of projects that will occur on federal property prior to exercising a power, performing a function or duty in relation to that project. The project proponent should review the Directory of Federal Real Property, available at <http://www.tbs-sct.gc.ca/dfrp-rbif/>, to verify if the project will potentially interact with any federal property and/or waterway. The project proponent should also review the list of Acts that Transport Canada administers and assists in administering that may apply to the project, available at: <https://www.tc.gc.ca/eng/acts-regulations/acts.htm>.

If the aforementioned does not apply, the Environmental Assessment program should not be included in any correspondence. If there is a role under the program, correspondence should be forwarded *electronically* to: EnviroOnt@tc.gc.ca.

*Below is a summary of the most common Acts that have applied to projects in an Environmental Assessment context:

- **Navigation Protection Act (NPA)** – the Act applies primarily to works constructed or placed in, on, over, under, through, or across scheduled navigable waters set out under the Act. The Navigation Protection Program administers the NPA through the review and authorization of works affecting scheduled navigable waters. Information about the Program, NPA and approval process is available at: <http://www.tc.gc.ca/eng/programs-621.html>. Enquiries can be directed to NPPONT-PPNONT@tc.gc.ca or by calling (519) 383-1863.

- **Railway Safety Act (RSA)** – the Act provides the regulatory framework for railway safety, security, and some of the environmental impacts of railway operations in Canada. The Rail Safety Program develops and

enforces regulations, rules, standards and procedures governing safe railway operations. Additional information about the Program is available at: <https://www.tc.gc.ca/eng/railsafety/menu.htm>. Enquiries can be directed to RailSafety@tc.gc.ca or by calling (613) 998-2985.

· **Transportation of Dangerous Goods Act (TDGA)** – the transportation of dangerous goods by air, marine, rail and road is regulated under the TDGA. Transport Canada, based on risks, develops safety standards and regulations, provides oversight and gives expert advice on dangerous goods to promote public safety. Additional information about the transportation of dangerous goods is available at: <https://www.tc.gc.ca/eng/tdg/safety-menu.htm>. Enquiries can be directed to TDG-TMDOntario@tc.gc.ca or by calling (416) 973-1868.

· **Aeronautics Act** – Transport Canada has sole jurisdiction over aeronautics, which includes aerodromes and all related buildings or services used for aviation purposes. Aviation safety in Canada is regulated under this Act and the Canadian Aviation Regulations (CARs). Elevated Structures, such as wind turbines and communication towers, would be examples of projects that must be assessed for lighting and marking requirements in accordance with the CARs. Transport Canada also has an interest in projects that have the potential to cause interference between wildlife and aviation activities. One example would be waste facilities, which may attract birds into commercial and recreational flight paths. The *Land Use In The Vicinity of Aerodromes* publication recommends guidelines for and uses in the vicinity of aerodromes, available at: <https://www.tc.gc.ca/eng/civilaviation/publications/tp1247-menu-1418.htm>. Enquires can be directed to CASO-SACO@tc.gc.ca or by calling 1 (800) 305-2059 / (416) 952-0230.

Please advise if additional information is needed.

Thank you,

Environmental Assessment Program | Programme d'évaluation environnementale

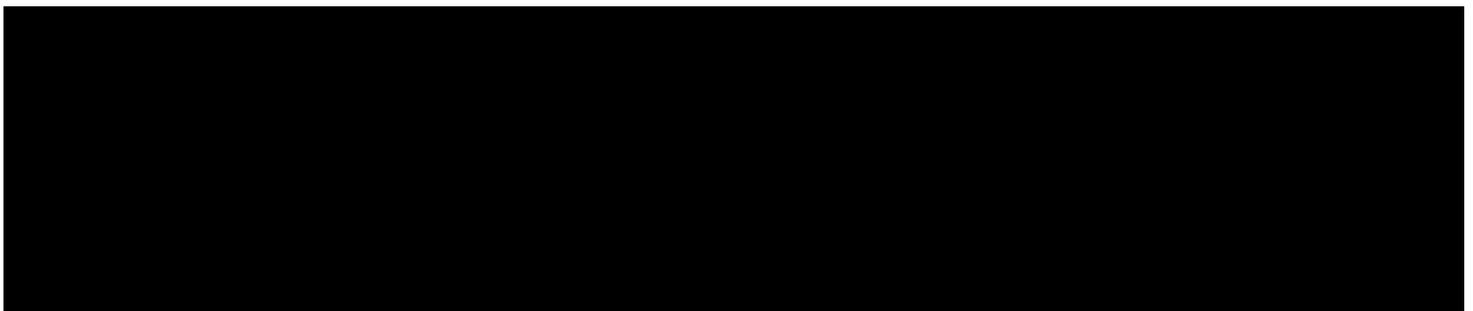
Transport Canada, Ontario Region | Transports Canada, Région de l'Ontario

4900 Yonge St., Toronto, ON M2N 6A5 | 4900, rue Yonge, Toronto, ON, M2N 6A5

Email | Courriel: EnviroOnt@tc.gc.ca

Facsimile | télécopieur: (416) 952-0514

Government of Canada | Gouvernement du Canada





Allan, Catherine <callan@dillon.ca>

RE: Ridge Landfill EA - Draft Terms of Reference and Record of Consultation for review

1 message

FPP.CA / PPP.CA (DFO/MPO) <fisheriesprotection@dfo-mpo.gc.ca>
To: "Allan, Catherine" <callan@dillon.ca>

Fri, Aug 12, 2016 at 11:03 AM

Dear Catherine,

The *Fisheries Act* requires that projects avoid causing serious harm to fish unless authorized by the Minister of Fisheries and Oceans Canada. This applies to work being conducted in or near waterbodies that support fish that are part of or that support a commercial, recreational or Aboriginal fishery. Following the measures to avoid harm will help you comply with the Act.

We request that you visit our website at <http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html> and undertake a Self-Assessment to determine if DFO needs to review your project.

If your project IS NOT in one of the listed waterbody types, and its activities ARE NOT listed, nor does it meet the associated criteria (if applicable), you may submit a **Request for Review** to DFO before proceeding further with in-water works.

If you are UNSURE about whether your project requires DFO review, you can seek support from a qualified environmental professional.

Yours sincerely,

Sara Eddy

A/Team Leader, Triage and Planning

Fisheries and Oceans Canada

Fisheries and Oceans Canada has changed the way new project proposals (referrals), reports of potential Fisheries Act violations (occurrences) and information requests are managed in Central and Arctic Region (Alberta, Saskatchewan, Manitoba, Ontario, Nunavut and the Northwest Territories). Please be advised that general information regarding the management of impacts to fish and fish habitat and self-assessment tools (e.g. Measures to Avoid Harm) that enable you to determine Fisheries Act requirements are available at DFO's "Projects Near Water" website at www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html. For all occurrence reports, or project proposals where you have determined, following self-assessment, that you cannot avoid impacts to fish and fish habitat, please submit to fisheriesprotection@dfo-mpo.gc.ca. For general inquiries call 1 855 852-8320.

MEETING MINUTES

PROJECT: MNRF Update Meeting for the Ridge Landfill

DATE/TIME: September 8, 2016, 9:30 am to 11:00 am

LOCATION: MNRF Aylmer District Office – 615 John Street North, Aylmer, ON

PRESENT: Heather Riddell (MNRF), Jason Webb (MNRF), Cara Hernould (MNRF), Dan Bourassa (Dillon Consulting), Megan Bellamy (Dillon Consulting)

Ridge EA Project – Status Update

- The Ridge Landfill has been operating since 1966. Progressive Waste Solutions is undertaking an Individual EA to extend the life of the landfill by 20 years. The landfill is set to reach capacity by 2022.
- A number of pre-EA studies were undertaken at the site with a focus on the SW and SE woodlands. These included ELC, botanical studies, bird surveys and bat surveys. During our last meeting with the MNRF in April 2016, we discussed completing bat acoustic surveys in the SE and SW woodlands specific to SAR and determination of significant wildlife habitat.
- From an EA process perspective, the draft ToR was submitted for review and comment and feedback has been received from the MOECC. It is anticipated that the final ToR will be submitted by the end of September 2016.

Overview of Bat Habitat and Species at Risk Bat Activity Monitoring Surveys

- A total of 19 acoustic detectors were installed on site, with 15 in the SE woodland and 4 in the SW woodland. The locations for deploying the detectors were based on snag density results that were completed in 2015.
- The data showed a presence of *myotis* bat species in the SE woodland. No *myotis* species were detected in the SW woodland. These results are similar to those from the mobile acoustic survey completed in July of 2015 during the peak activity period.

Targeted Discussion on Species at Risk Bat Maternity Roost Habitat and Significant Wildlife Maternity Roost Habitat

- Dillon’s interpretation is that the SW woodland should not be considered as significant wildlife habitat or SAR habitat due to the lack of passes by SAR bats over the 10 day sampling period, and the small overall number of passes by other species. MNRF agreed with this conclusion.
- Dillon’s interpretation is that the SE woodland is both significant wildlife habitat and SAR bat habitat and would need to be subject to an overall benefit permit (C-Permit) under the ESA 2007, if removed. MNRF agreed with this conclusion.
- Bat surveys were also completed in the hedgerows. Of 17 hedgerows studied, 4 had snag trees identified, and a total of 13 trees were identified as being potential habitat trees. These trees were mostly Shellbark Hickory, with some ash species.
- The Aylmer District Protocol is comprised of five steps to determine significant wildlife habitat. Dillon proposes that step 5 does not need to be completed since steps 1-4 have provided sufficient information to determine significant of wildlife habitat. The MNRF agreed with this approach and confirmed that completion of step 5 would not be required. This is due to the understanding that overall benefit to SAR bat species will be achieved in the C-permit for removing the SE woodland.
- MNRF confirmed there is no threshold value to determine significant wildlife habitat based on acoustic survey results and that determination of significance is based on data presented on a case-by-case basis.

Targeted Discussion on Permitting/Approvals under the ESA 2007; Next Steps; and Tree Removal Mitigation Measures and Timing Restrictions

- PWS would prefer to remove the hedgerows as soon as possible. MNRF confirmed they can be removed as long as it is within the timing window that minimizes disturbance to bats (November – April). Dillon to provide a memo identifying the 13 bat maternity roosting trees and the MNRF will provide a Letter to Proponent to PWS allowing the removal of the hedgerows within the timing window. This will be separate from the C-permit for the SE woodland.
- MNRF is unable to confirm timing of permit issuance at this time; however they are discussing this with the Region. The compensation area will be 2:1, so 14 ha of woodland will need to be established. MNRF will be asking the proponent to ensure they have other necessary approvals in place (e.g., municipal) before the Minister signs the permit.
- Should an amendment be needed to a C-permit after it is issued, this would require Minister approval and would be posted for a 30 day comment period. The timing for amendments is scale dependent and determined by the MNRF on a case-by-case basis.

Action Items

Action	Responsible Party
Submit memo identifying bat maternity habitat trees to MNRF.	PWS/Dillon
Provide Letter to Proponent permitting	MNRF (after receipt of memo).

removal of hedgerows within appropriate timing windows.	
Confirm other approvals that may be required for removal of SE and SW woodlands.	PWS/Dillon

Errors and/or Omissions: For any errors and/or omissions, please contact Megan Bellamy (416-229-4647, Ext. 2423) or mbellamy@dillon.ca



MEETING MINUTES

PROJECT: Ridge EA - Chatham-Kent Planning Meeting

DATE: October 6, 2016

LOCATION: Dillon Office, 10 Fifth Street South

PRESENT: Bruce McAllister (Chatham-Kent), Marsha Coyne (Chatham-Kent), Cathy Smith (PWS), Karla Kolli (Dillon Consulting)

Discussion on Planning Act Requirements for the Proposed Expansion

- The purpose of the meeting was to discuss Planning Act requirements and timing.
- PWS noted that studies have been completed to confirm the woodlot habitat and species-at-risk. Meetings have also been held with MNRF. MNRF has agreed to the following:
 - The southwest woodlot is not significant habitat and from their perspective can be removed.
 - Hedgerows are not significant habitat. There are some individual trees within the hedgerows that are significant habitat and MNRF has agreed that compensation for removal of these trees would be incorporated into the permit for the southeast woodlot. MNRF will be issuing a letter to PWS to indicate that PWS can remove the woodlots between the months of November to April.
 - The southeast woodlot is considered significant wildlife habitat and species-at-risk bat habitat. MNRF agreed that an overall benefit permit would be required to remove this woodlot and must include 2 to 1 compensation. They noted that municipal approvals would be required before the Minister would sign the permit.
- Hedgerows are not included in the Chatham-Kent Official Plan or Zoning by-law and thus it was agreed that no municipal approvals are required. PWS noted that they may decide to remove the hedgerows this fall.
- Much of the site is identified as Waste Management Site in the Official Plan. Both the SW and SE woodlots however are designated in the OP as Open Space/Conservation Lands and also identified as Significant Woodland and zoned as Open Space. Amendment to the OP and Zoning by-law will be required for the expansion.
- It was agreed that the studies completed for MNRF would likely be sufficient to meet CK's needs as support for OP and Zoning amendments. PWS agreed to provide these studies, meeting minutes with MNRF, and any other supporting documentation including a compensation plan at the appropriate time.

- PWS expressed an interest in removing the SW woodlot at the same time as the hedgerows were being removed and thus the possibility of amending the OP and Zoning for this woodlot now was discussed. CK planning staff provided the following commentary:
 - Bringing both woodlots forward to Council at the same time would give the opportunity for a clear message that the compensation would result in a greater amount of wooded area overall than what is currently provided by the 2 woodlots. It was suggested that specific information on compensation be provided to Council.
 - Specific information on the rationale for the removal is required in order to provide sufficient information for Council to make a decision and to provide clarity on what the new designation/zone would be. It was suggested that knowledge of the preferred site development alternative would be sufficient.
- CK planning staff noted that the consultation for the required amendments includes two public meetings in addition to the statutory public meeting. It was noted that these can be carried out simultaneous with planned EA consultation.

Action Items

Action	Responsible Party
Provide technical studies and other documentation on woodlots as background for Planning applications.	PWS
Coordinate consultation for EA and Planning Act.	PWS/Dillon and Chatham-Kent planning staff.

Errors and/or Omissions: For any errors and/or omissions, please contact Karla Kolli (416-229-4647, Ext. 2354) or kkolli@dillon.ca

Appendix H

Draft Terms of Reference Review Comment and Response Tables

Ministry of the Environment and Climate Change Comments

Proposal: DRAFT Terms of Reference (ToR) for the Ridge Landfill Expansion Environmental Assessment

Proponent: Progressive Waste Solutions

Comment #	Reference to ToR Provide the specific volume(s), section(s) and page number(s)	Comments & Rationale Please provide an explanation of your comments. Describe the rationale for why issue of concern is important for EA purposes. Identify if your issue of concern is related to the EA or related to regulatory instruments, or both.	Proposed Action/Solution Please describe in detail what action you recommended to address your comments/concerns. Actions may include but not limited to: amendments to the document, information requests, proposed commitments, future permits and approvals etc.)	Action Taken by Proponent Actions taken/solutions implemented to address noted comments
Cindy Batista, Special Projects Officer, Environmental Assessment Services				
1.	Acronyms and Definitions	The <i>Canadian Environmental Assessment Act, 2012</i> is referenced following the definition for 'Alternative Methods'. Is this meant to be the <i>Ontario Environmental Assessment Act</i> ?	Please clarify and amend the ToR accordingly.	In the Acronyms and Definitions section, the definition of Alternative Methods was amended as follows: Alternative Methods –Various ways of carrying out the preferred undertaking that are technically and economically feasible. The Code of Practice: Preparing and Reviewing Environmental Assessments in Ontario is the source for this revised definition.
2.	Page vii, Executive Summary	The ToR states that the Landfill Site area is approximately 262 hectares (ha) and it will increase to approximately 340 ha should the Minister approve the proposed undertaking. For clarity, please confirm the size of the Ridge Landfill site/property. It is understood that the expansion would not result in any further land acquisition.	Please confirm and amend the ToR accordingly so it is clear that the expansion to increase the existing landfill will be accommodated on the existing Ridge property and not require further land acquisition.	Expansion would not result in further land acquisition. The following has been added to the Executive Summary to provide clarification: PWS owns 340 hectares (ha) of land at the Ridge Landfill. The existing Landfill Site Area, which is permitted by the Environmental Compliance Approval (ECA) from the MOECC for waste management and environmental work purposes, is 262 ha. The proposed Project would see the Landfill Site Area increase from 262 ha to up to 340 ha (the total area of PWS-owned lands at the Ridge).
3.	Page viii, Executive Summary	Fourth paragraph states that the ToR requires approval from the 'MOECC'. The ToR requires approval from the Minister of the Environment and Climate Change.	Please amend ToR accordingly.	The sentence now reads - The ToR requires approval by the Minister of the Environment and Climate Change.
4.	Page 3, Section 1.2	The ToR states that the South Landfill and the Infill Area have not been developed; however it is expected that work will begin to develop the South Landfill in 2016. Approximately how much waste can be deposited at the South Landfill and Infill Area and how will it take to fill.	Information Request: Please provide this information as part of your response to the comment.	Construction of the first cell of the South landfill began in the summer of 2016 and will be completed in December 2016. Other cells will be constructed over the next few years. The approved capacity of the South is 4,203,000 m ³ . Assuming a density of 1 t/m ³ and 1.3M tonnes/year, it will take approximately 3 years and 3 months to fill the South Landfill.

Comment #	Reference to ToR Provide the specific volume(s), section(s) and page number(s)	Comments & Rationale Please provide an explanation of your comments. Describe the rationale for why issue of concern is important for EA purposes. Identify if your issue of concern is related to the EA or related to regulatory instruments, or both.	Proposed Action/Solution Please describe in detail what action you recommended to address your comments/concerns. Actions may include but not limited to: amendments to the document, information requests, proposed commitments, future permits and approvals etc.)	Action Taken by Proponent Actions taken/solutions implemented to address noted comments
				<p>The approved capacity of the Infill Landfill is 689,000 m³. Assuming a density of 1 t/m³ and 1.3M tonnes/year, it will take approximately 6 months to fill the Infill Landfill.</p> <p>For clarity, the West mound is currently being filled and will also continue to be filled into 2018.</p>
5.	Page 8, Section 2.2	The ToR addresses climate change by explaining mitigation measures with reference to the <i>Climate Change Mitigation and Low-carbon Economy Act</i> , however, adaptation measures are not mentioned in this section.	As per the CoP (Section 5.2.6 subsection Potential Effects), please amend the section to also include adaptive planning measures for the potential effects of climate change on the undertaking.	<p>The following was added to Section 2.2:</p> <p>The EA will also consider how changing climate has the potential to impact the Project and how adaptive measures can be incorporated into the site design. This will be explored, specifically as it relates to the potential for extreme weather events to impact waste management infrastructure through power outages, physical damage, stormwater management systems and reduced access to the site.</p>
6.	Page 9, Section 2.3	Although the ToR includes provisions for flexibility regarding studies to be carried out, evaluation criteria and how they may change in the EA, etc. The document should also include a statement that the information provided in the ToR sets out the minimum requirements for the EA. The information presented in the ToR is preliminary, and will be confirmed during the preparation of the EA in consultation with the public, Indigenous communities and government.	Please amend the ToR to include a statement that information presented in the ToR is preliminary and will be confirmed during the preparation of the EA in consultation with the public, Indigenous communities and the government.	<p>The following sentence was added to Section 2.3:</p> <p>The information presented in the ToR is preliminary and will be confirmed during the preparation of the EA in consultation with the public, Indigenous communities and the government.</p>
7.	Page 10, Section 3.1	As per Section 5.2.3 of the Codes of Practice: Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario, January 2014 (CoP), the ToR document should include a statement that the proponent will refine the purpose statement if required through the planning process, and present the final statement in EA.	Please amend your ToR to include this statement, as per the CoP.	<p>The following sentence was added to Section 3.1:</p> <p>If required through the planning process, PWS will refine the purpose statement and present the final statement in EA.</p>

Comment #	Reference to ToR Provide the specific volume(s), section(s) and page number(s)	Comments & Rationale Please provide an explanation of your comments. Describe the rationale for why issue of concern is important for EA purposes. Identify if your issue of concern is related to the EA or related to regulatory instruments, or both.	Proposed Action/Solution Please describe in detail what action you recommended to address your comments/concerns. Actions may include but not limited to: amendments to the document, information requests, proposed commitments, future permits and approvals etc.)	Action Taken by Proponent Actions taken/solutions implemented to address noted comments
8.	Page 12, Figure 7 in Section 3.2.1)	It is not clear what Figure 7 is intended to demonstrate. For the purpose of making the ToR readable and clear for all public, Indigenous and agency reviewers, all descriptions and figures should be easily understood.	Please amend this figure in the ToR to provide a more detailed and clear explanation of what the figure is trying to convey.	The legend in Figure 7 was revised and text (shown in bold) was added to Section 3.2.1 to clarify the figure. As shown in Figure 7, the projected need for residual waste disposal and the capacity to manage that waste are relatively consistent until approximately 2022 when the Ridge Landfill is currently expected to reach capacity and thus would be closed. Following closure of the Ridge, there is a significant drop in the available landfill capacity such that sufficient capacity may not be available to meet the projected waste disposal need for southern Ontario.
9.	Page 13, Section 3.3	As per Section 5.2.4 of the CoP, the ToR should state that the final description of the proposed undertaking and rationale will be confirmed in the EA once alternatives have been considered and evaluated.	Please amend your ToR to include this statement, as per the CoP.	Following sentence added: The final description of the proposed undertaking and rational of the project will be confirmed in the EA once alternatives have been considered and evaluated.
10.	Page 13, Section 3.3	The ToR states that the expansion will maintain the current annual fill rate of 1.3 million tonnes; yet, the residential service area is changing to all of Ontario. Can you please explain how the change in service area is not increasing/affecting your annual fill rate?	Please describe why the change in service area does not impact your current annual fill rate. Please include this discussion/description in an amended ToR document.	Following text was added in Section 3.3: It is noted that although the residential waste service area is proposed to expand to all of Ontario, the intent is to maintain the tonnage of waste received annually. As per the current Environmental Compliance Approval (ECA) for the Ridge Landfill, the annual fill rate at the Ridge Landfill is 1.3 million tonnes. Thus, the purpose expansion would increase the lifespan of the Ridge Landfill beyond 2022 to 2041 and provide flexibility to accept other waste within the annual fill rate should current IC&I volumes to the site be reduced over the future lifespan of the facility.
11.	Pages 14 to 26, Section 4	As per Section 5.2.6 of the CoP, the ToR should include a statement that the proponent will provide a final detailed description in the EA.	Please amend Section 4 of your ToR to includes this section as per the CoP.	Following sentence added in Section 4.0: The final detailed description of existing conditions will be provided in the EA based on technical work that will be completed as noted in Section 4.5 and in the technical work plan summaries included in Appendix A.

Comment #	Reference to ToR Provide the specific volume(s), section(s) and page number(s)	Comments & Rationale Please provide an explanation of your comments. Describe the rationale for why issue of concern is important for EA purposes. Identify if your issue of concern is related to the EA or related to regulatory instruments, or both.	Proposed Action/Solution Please describe in detail what action you recommended to address your comments/concerns. Actions may include but not limited to: amendments to the document, information requests, proposed commitments, future permits and approvals etc.)	Action Taken by Proponent Actions taken/solutions implemented to address noted comments
12.	Page 14 to 26, Section 4	As per Section 5.2.6 of the CoP, the ToR should include a list and brief description of the tools that will be used to provide a more detailed description of the environment in the EA. The CoP also states that the list should not prevent the proponent from undertaking additional work in the EA to support the description of the environment. This intention should be made clear in the ToR. Although Appendix A describes the work plans, this information should be summarized in the actual ToR document.	Please amend Section 4 of your ToR to include the requirements to add a list and description of tools used in the EA to describe the environment in detail. Also include a statement that the list is not inclusive and may require the proponent to undertake additional works, as per section 5.2.6 of the CoP.	A new section, Section 4.5, has been added with the following introductory text: Several technical studies will be conducted during the EA to confirm existing environmental conditions, support the evaluation of site development alternative methods and to identify and mitigate potential effects. The planned studies to be conducted during the EA process are noted in Table 2 with further details included in the technical work plan summaries provided in Appendix A. These studies will inform the final description of the environment which will be provided in the EA. It is noted that additional studies may be required. It is noted that additional studies may be required.
13.	Page 14 to 26, Section 4	As per section 5.2.6 of the CoP (page 40), the proponent should also consider whether there could be environmental effects resulting from effects of the proposal combined with effects of other past and future undertakings.	Please amend this section of your ToR to include a commitment that the EA will consider environmental effects of past and future undertakings as a result of this proposal.	Following sentence added in Section 4.0 The EA will consider environmental effects of past and future undertakings as a result of this proposal.
14.	Page 27, Section 5.1, Table 2 & Supporting Documentation 2: Consideration of Alternatives to the Undertaking	As per section 5.2.5 of the CoP, the questions listed on page 32 that are to be considered in the EA, are not intended to be used by proponents to identify the preferred alternative. Furthermore, this same section of the CoP states that decisions that lead to focusing of alternatives need to be documented and need to demonstrate the consideration of key environmental factors, including consultation. Page 36 of the CoP also states that should the proponent chose to focus the alternatives, the proponent needs to document the decision making process that included consultation with interested persons on the criteria and assessment to identify a more limited scope of alternatives to and this is fully documented the supporting documentation. The ToR nor Supporting Documentation 2 does not sufficiently document the decision making process used to focus alternatives to Assessment. In addition, the alternative to evaluation method did not list the criteria/indicators used and it did not assess all impacts on the environment (heavily	Please amend this table to include both criteria and indicators when assessing the alternatives 'to'. Note that <i>all</i> topics under the definition of the environment should be included as criteria topics (i.e. natural environment, where at a minimum, biology, and geology/hydrogeology are examined, and socio-economic environment, where agriculture, archaeology, land-use etc. are examined). For further detail on the definition of the environment please see section 5.2.6 of the CoP. Please provide additional supporting documentation to support the ToR that the decision making process used to focus the alternatives to considered consultation with interested persons on the criteria and assessment to identify a more limited scope of alternatives to.	Section 5 of the TOR has been amended to provide clarity on the evaluation of 'Alternatives to'. In particular, evaluation criteria and indicators reflecting the full definition of the environment have been added and used to comparatively evaluate the alternatives to considered. These changes are also reflected in Supporting Document 2: Consideration of Alternatives to the Undertaking. The following has been added to Section 2 of the Supporting Document to explain the consultation on 'Alternatives to': Stakeholders had the opportunity to review and provide input on the identification and evaluation of Alternatives through two Open Houses held on May 3rd and June 28th and the review of the draft Terms of Reference. Display material at both Open Houses included a panel on alternatives to expansion. No comments on the alternatives were received.

Comment #	Reference to ToR Provide the specific volume(s), section(s) and page number(s)	Comments & Rationale Please provide an explanation of your comments. Describe the rationale for why issue of concern is important for EA purposes. Identify if your issue of concern is related to the EA or related to regulatory instruments, or both.	Proposed Action/Solution Please describe in detail what action you recommended to address your comments/concerns. Actions may include but not limited to: amendments to the document, information requests, proposed commitments, future permits and approvals etc.)	Action Taken by Proponent Actions taken/solutions implemented to address noted comments
		stressed the socio-economic aspect without addressing the natural environment).		
15.	Page 31, Section 5.4	As per section 5.4.7 (page 44) of the CoP, the evaluation process for alternative methods needs to include the following: Potential environmental effects; Impact management measures; Net effects; Advantages/disadvantages Step 3 of the alternative methods evaluation does not state that the evaluation will assess the advantages and disadvantages of the alternative method.	Please amend the ToR document to include a statement that the evaluation method for will also assess the advantages and disadvantages.	It was clarified with MOECC that the wording in the Draft Terms of Reference relating to advantages and disadvantages was sufficient. No change to the Terms of Reference was required.
16.	Page 34, Section 5.4.1.2, Table 3 Page 37, Section 5.4.2.2,	Section 5.2.7 of the CoP requires proponents to provide sufficient information about the criteria, indicators, and methods. The ToR should also indicate how they were developed to ensure that they are understood by the public so that they may be able to provide informed comments. Table 3 only looks at three criteria groups for alternative methods for the Resource Recovery System and does not provide sufficient rationale for why other criteria (i.e. natural environment) are not considered. Furthermore, as required in the CoP, each criterion should have one or more indicators that will identify how the potential environmental effects will be measured for each criterion. The ToR should also state the potential data sources for the criteria and indicators. This is not presented in Table 3 or in Table 4. Table 4 criterion was not inclusive for all aspects of the environment (i.e. geology, hydrogeology, and surface/groundwater).	Please amend Table 3 to include criteria, indicators and data sources for all aspects of environment for alternative methods for the Resource Recovery System. Also discuss in detail how they were developed and provide sufficient rationale for why other criteria are not considered.	In the Draft ToR it was noted that Table 3 and Table 4 only included criteria that would help distinguish a difference between alternatives. To address this comment we have revised these tables to ensure they reflect all aspects of the environment. Indicators and data sources have also been added.
17.	Page 35, Section 5.4.2.1	It would be helpful to the readers, if the ToR numbered the alternative methods for landfill site developments, similar to the alternative methods for resource recovery system on pages 33 to 34.	It is recommended for clarity and readability, the ToR be amended to number the alternative methods for landfill site developments.	It was clarified with MOECC that the site development alternative methods were not numbered since the ToR presented components of alternative methods rather than the actual alternatives themselves. MOECC confirmed that numbering the alternatives was presented as a suggestion.

Comment #	Reference to ToR Provide the specific volume(s), section(s) and page number(s)	Comments & Rationale Please provide an explanation of your comments. Describe the rationale for why issue of concern is important for EA purposes. Identify if your issue of concern is related to the EA or related to regulatory instruments, or both.	Proposed Action/Solution Please describe in detail what action you recommended to address your comments/concerns. Actions may include but not limited to: amendments to the document, information requests, proposed commitments, future permits and approvals etc.)	Action Taken by Proponent Actions taken/solutions implemented to address noted comments
				No change was made to the Terms of Reference.
18.	Page 51, Section 7	<p>Although the ToR states that the EA will include a comprehensive list of commitments made, it should also include a statement that will describe where and how they were addressed in the EA, as per the section 5.2.8 of the CoP.</p> <p>The CoP also requires proponents to include commitments relating to documentation and correspondence.</p> <p>This section of the ToR should also include a commitment to make the draft EA available for public, Indigenous and agency review and comment before the final EA is submitted. At minimum the comment period should be 45 days.</p>	Please amend Section 7 of the ToR to include the commitments listed in the 3 rd column.	<p>Section 7 of the ToR was amended to add to the list of commitments as shown in bold:</p> <ul style="list-style-type: none"> • “Ongoing consultation with landfill neighbours and stakeholders, agencies and Indigenous communities. • Minimum of 45 days review and comment period for public, Indigenous communities and agencies for the draft EA document. • Documentation of all correspondence and input received.
19.	Page 40, Section 6.1.1 and Section 4.0 of the Record of Consultation	Section 3.4 of the CoP, states that the ToR should identify any Indigenous claims or interests potentially affected by the undertaking during the development of the ToR. There is no statement on the nature of the established Indigenous or treaty right that were identified as potentially being negatively impacted by the project.	Please amend the ToR to include a statement on the nature of the established Indigenous or treaty right and identified as potentially being negatively impacted by the project.	<p>The following sentence has been added to Section 6.1.1:</p> <p>After a thorough review, it has been determined that the project falls within the McKee Treaty (1790) and all claims by area First Nations have either been dealt with or have been surrendered at the time of treaty signing. The existence of a Métis claim of rights in southwestern Ontario has not met with any success in the courts.</p>
20.	Pages 139 of 212, Record of Consultation – Appendix F	In the review of the copies of correspondence sent to Indigenous communities, it appears that Walpole Island may have not received a letter dated April 18; however it appears that they did receive a letter dated May 11.	Please confirm and provide a copy of correspondence dated April 18 th addressed to Walpole Island.	A copy of correspondence dated April 18, 2016 addressed to Walpole Island has been added to the Record of Consultation Appendix.
21.		Both Caldwell First Nation and Walpole First Nation had requested face to face meetings on June 27 th and June 28 th , 2016.	Please provide a status of whether the meetings with these two communities occurred and if so, please provide an updated consultation record to reflect the discussions as they relate to the EA process for the proposed project.	<p>The following text has been added to the Record of Consultation to summarize the Indigenous community meetings held. Meeting notes have been included in the Record of Consultation Appendix F.</p> <ul style="list-style-type: none"> • June 27, 2016 meeting with Caldwell First Nations: An overview of the Project was provided. The Caldwell First Nation and PWS discussed the stormwater management facility that would be sized during detailed design phase of the project including the controlled runoff of surface water into five ponds and the treatment of water prior to release. Potential sponsorship and employment opportunities for Caldwell citizens were also discussed. Interest was

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				<p>expressed in a tour of the Ridge Landfill.</p> <ul style="list-style-type: none"> June 28, 2016 meeting with Walpole Island First Nation (WIFN): An overview of the project was provided. WIFN emphasized the importance of maintaining hunting and fishing rights, as well as their interest in having a partnership role in the project. WIFN noted that they have some in-house data that could be used to assess potential impacts from the Project. A representative from the WIFN attended the second Open House on June 28, 2016.
22.	Record of Consultation	Although this documentation lists all interested persons, stakeholders, and government agencies consulted during the ToR development process, and it does not go one step further to explain why they were identified.	Please amend the Record of Consultation to explain how interested persons, stakeholders and government agencies were identified.	Section 2.1 of the Record of Consultation outlines how the contact list was developed. It was confirmed with MOECC that changes were not required to address this comment.

Please return this table in both PDF and Word formats.

Ministry of the Environment and Climate Change Comments

Proposal: DRAFT Terms of Reference (ToR) for the Ridge Landfill Expansion Environmental Assessment

Proponent: Progressive Waste Solutions

Comment #	Reference to ToR	Comments & Rationale	Proposed Action/Solution	Action Taken by Proponent
Rick Li, Senior Waste Engineer, EAB				
1	Page 10, S. 3.2 Rational for the proposed project, and Supporting Document 1 – Needs/Opportunity Assessment	With the passage of Waste Free Ontario Act, and the Strategy to be implemented, the waste diversion rate is expected to increase substantially for the proposed project period. Therefore the projected diversion rates assumed to forecast waste quantity shall be adjusted. In addition, the estimated available disposal capacity does not include other major proposed facilities currently in environmental approval process (e.g., the Walker Southwestern Landfill in Oxford County).	The Needs/ Opportunity assessment shall be updated with the consideration of the newly passed Waste Free Ontario Act, and to account for the available disposal capacity that is currently in planning.	Based on this comment and further discussion with MOECC on September 26 th it is understood that no specific diversion rates associated with the <i>Waste-Free Ontario Act</i> are available at this time. The following changes have been made to the ToR to clarify the rationale for the project and reflect that potential impact of the <i>Waste-Free Ontario Act</i> : <ul style="list-style-type: none"> • Clarification on the rationale for the project was provided in Section 3 of the ToR. Specifically the following text was added and additional support for each point provided: The Project is driven by two core needs: <ul style="list-style-type: none"> ○ The need for PWS to continue to service its existing and future customers; and ○ The need for additional waste disposal capacity in Ontario. • Information on the anticipated disposal need was expanded to add consideration of the high diversion scenario. This was shown on Figure 7 and text was added as shown in bold. <ul style="list-style-type: none"> ○ The moderate diversion scenario assumes that there will be moderate residential and IC&I diversion rates (i.e. residential waste diversion will increase from 44% in 2010 to 55% in 2041, whereas IC&I waste diversion will increase from 11% to 35%). The high diversion scenario is likely more reflective of implementation of the Waste-Free Ontario Act (i.e. a residential waste diversion increase from 44% in 2010 to 65% in 2041, and IC&I waste diversion increase from 11% to 60%). • The following sentence was added to clarify that the need for disposal was influenced by decisions made regarding export: If the quantity of waste exported to the US were to decrease, a dramatic increase in the need for waste disposal capacity in Ontario could result. • The following sentence was added to reflect the potential for increased future diversion: It is recognized that the actual amount of disposal capacity that will be required for southern Ontario is dependent upon the level of diversion that is achieved through new Regulations under the <i>Waste-Free Ontario Act</i>.

Comment #	Reference to ToR	Comments & Rationale	Proposed Action/Solution	Action Taken by Proponent
	Provide the specific volume(s), section(s) and page number(s)	Please provide an explanation of your comments. Describe the rationale for why issue of concern is important for EA purposes. Identify if your issue of concern is related to the EA or related to regulatory instruments, or both.	Please describe in detail what action you recommended to address your comments/concerns. Actions may include but not limited to: amendments to the document, information requests, proposed commitments, future permits and approvals etc.)	Actions taken/solutions implemented to address noted comments
2	Page 13, S 3.3 Description of the Proposed Project	The proposed site expansion would maintain the current annual fill rate of 1.3 million tonnes. It will also add resource recovery at the site, which would result in increase of the incoming waste quantity. However the capacity for resource recovery is not specified.	Please clarify whether the quantity for proposed resource recovery is included in the total annual fill rate. In case the total incoming waste rate is to increase, details shall be included in public consultation and traffic study.	Based on discussion with MOECC on September 26 th , it is understood that the MOECC comment to include other proposed landfill facilities was offered as a suggestion. After consideration PWS has elected to make no change to the ToR. It is our opinion that including facilities in their planning stages would prejudice the approval process and thus may not result in an accurate picture of available capacity. Including only approved facilities provides a more conservative picture of the amount of available capacity. The quantities associated with resource recovery are not included in the annual fill rate of 1.3 million tonnes. The ToR has been revised to clarify that the EA will consider potential resource recovery alternative methods at a systems level (see comment 3 below).
3	Page 32, S.5.4.1.1 Identification of Resource recovery system alternatives	The resource recovery system alternatives lack details as for the processes to be employed, as well as the capacity, site area and location, etc.	The resource recovery system should be more elaborated during the EA process. Details regarding the capacity, the processes, the locations and area should be included.	As noted above, the ToR has been revised to clarify that the EA will consider potential resource recovery alternative methods at a systems level. In Section 5.2.1.1, the following has been added to introduce the resource recovery alternative methods: PWS is committed to the diversion of waste from disposal and as such plan to include an expanded public drop-off area at the Ridge Landfill site to divert additional recyclable materials. The public drop off could include materials such as household hazardous waste, electronic wastes and other recyclable materials as designated by the Province. PWS is also committed to continued collaboration with the Ridge Landfill host community of Chatham-Kent to develop partnership opportunities to support their municipal waste diversion targets. Chatham-Kent currently operates eight (8) transfer stations that receive large item waste, regular waste, recyclables, appliances, scrap metal, and electronics. It is anticipated that there will be other future resource recovery opportunities resulting from the Waste-Free Ontario Act potentially including organics composting, construction and demolition waste and other materials. Three systems alternatives will be considered in the EA to accommodate additional resource recovery opportunities that are technically feasible and economically viable for PWS. These could be provided at the Ridge or at other PWS facilities. Decisions regarding the implementation of future diversion facilities are contingent upon customer needs and compatibility with existing operational facilities.

Comment #	Reference to ToR	Comments & Rationale	Proposed Action/Solution	Action Taken by Proponent
4	Page 36, S.5.4.2.1 Identification of Landfill site development alternative methods	Please provide an explanation of your comments. Describe the rationale for why issue of concern is important for EA purposes. Identify if your issue of concern is related to the EA or related to regulatory instruments, or both. For the preferred lateral landfill area expansion option, it is indicated that the leachate collection system would be connected to the existing system on site. Since the leachate is currently sent to municipality waste water treatment plant, the long term capacity for leachate disposal should be verified.	Please describe in detail what action you recommended to address your comments/concerns. Actions may include but not limited to: amendments to the document, information requests, proposed commitments, future permits and approvals etc.) During the EA process, the options for long term leachate disposal for the collected leachate from the site should be assessed.	Actions taken/solutions implemented to address noted comments We confirm that long term leachate disposal including the capacity of the wastewater treatment facility will be considered in the EA. The following sentence has been added to Section 5.2.2.1: An assessment of the existing leachate management system, including the Blenheim Waste Water Treatment Plant and associated piping, will be undertaken to confirm sufficient capacity for leachate management from an expanded landfill.
5	Appendix A Technical work plan summaries	The Design and Operations Report should also include components for Storm Water Management and Site Traffic, although there will be separate study reports for these disciplines.	For a completed Design and Operations report, Storm water management and site traffic management should be included.	Stormwater management and site traffic management will be included in the Design and Operations Report. Appendix A, Technical work plan summaries have been adjusted to reflect this.

Please return this table in both PDF and Word formats.

Ministry of the Environment and Climate Change Comments

Proposal: DRAFT Terms of Reference (ToR) for the Ridge Landfill Expansion Environmental Assessment

Proponent: Progressive Waste Solutions

Comment #	Reference to ToR Provide the specific volume(s), section(s) and page number(s)	Comments & Rationale Please provide an explanation of your comments. Describe the rationale for why issue of concern is important for EA purposes. Identify if your issue of concern is related to the EA or related to regulatory instruments, or both.	Proposed Action/Solution Please describe in detail what action you recommended to address your comments/concerns. Actions may include but not limited to: amendments to the document, information requests, proposed commitments, future permits and approvals etc.)	Action Taken by Proponent Actions taken/solutions implemented to address noted comments (revised wording to be added to the ToR is shown in bold)
Tammie Ryall, Environmental Planner/Regional EA Coordinator, Air, Pesticides and Environmental Planning, MOECC Southwestern Region				
1.	Executive Summary, page vii	The third paragraph states that the proposed Project would see the Landfill Site Area increase from 262 ha to up to approximately 340 ha, allowing for an additional 26 million tonnes of capacity. Although this statement may be factually correct, it is somewhat confusing as it could be interpreted that the landfill is proposed to be expanded into the surrounding agricultural area. It is suggested that a sentence be added to state that there is sufficient room on the 340 ha Ridge Landfill property to accommodate an expansion.	Amendments to paragraph 3, Executive Summary.	The expanded Ridge Landfill would continue to provide long-term disposal capacity to serve the growing population and economy in the province of Ontario. The proposed Project would see the Landfill Site Area increase from 262 ha to up to 340 ha (the total area of PWS-owned lands at the Ridge) , allowing for an additional 26 million tonnes (30.6 million m3) of capacity. The annual waste fill rate would remain the same at 1.3 million tonnes annually.
2.	Section 3.3, Description of the Proposed Project.	The first sentence states that PWS is proposing to expand the Ridge Landfill to meet the long term disposal needs of Ontario's growing population and economy. Similar to the comment above, it is suggested that a statement be added that there is sufficient room on the 340 ha Ridge Landfill property to accommodate an expansion.	Amendments to Section 3.3.	PWS is proposing to expand the Ridge Landfill to meet the long term disposal needs of Ontario's growing population and economy, while continuing to serve its customers with full waste management services, including opportunities that will evolve to increase waste diversion to support the recently passed <i>Waste-Free Ontario Act</i> . The proposed expansion can be accommodated on the PWS-owned lands at the Ridge.
3.	Section 4.4.1.1 Biology	The Environmental Assessment Report should describe the low forest cover (4%) in the Municipality of Chatham-Kent, as a whole. The Chatham-Kent Official Plan, Section 4.2, describes the low forest cover in the municipality. It states: "Forest cover in Chatham-Kent is extremely low (approximately 4% of the total land area) including Wheatley, Rondeau and Clear Creek Forest Provincial Parks and the Moraviantown First Nation Reserve. This number is significantly less than pre-settlement and well below the Environment Canada Draft Framework Guideline of 30%." The potential removal of mature woodlots in a municipality with low forest cover needs to be mentioned in the T of R and carefully analyzed in the Environmental Assessment Report, as the retention of mature woodlots can play a role in capturing and storing carbon emissions	Changes to Section 4.4.1.1. of the T or R, or other appropriate Section, to acknowledge that there is a low forest cover in the municipality as a whole and that the retention of the mature woodlots needs to be carefully analysed in the EA process.	There are three woodlots located in the southwest, southeast and northern portions of the property. An ecological land classification study completed in 2015 identified seven natural vegetation communities within these on-site woodlots. All three woodlot areas primarily consist of deciduous trees. The majority of the northern woodlot is dominated by Freeman's Maple (<i>Acer xfreemani</i>), White Elm (<i>Ulmus americana</i>), Shagbark Hickory (<i>Carya ovata</i>) and Green Ash (<i>Fraxinus pennsylvanica</i>). The southeast woodlot has a similar composition, but with the inclusion of a small thicket area dominated by Gray Dogwood (<i>Cornus racemosa</i>). The southwest woodlot showed signs of impact by Emerald ash bore (<i>Agrilus planipennis</i>) and is considered less robust than the other two woodlots. It is understood that forest cover in the Municipality is considered low (4% of total land area) and is considerably

Comment #	Reference to ToR	Comments & Rationale	Proposed Action/Solution	Action Taken by Proponent Actions taken/solutions implemented to address noted comments (revised wording to be added to the ToR is shown in bold)
		and thereby mitigate the effects of Climate Change. The EA should consider if retention of the woodlots is feasible.		lower than Environment Canada guidelines (30%) as noted in the Chatham Kent Official Plan. Although the Municipality's Official Plan notes that agriculture remains the primary pressure on such natural heritage features, retention of mature woodlots will be carefully considered during the EA process.
4.	Section 4.4.2.4, Land Use, page 25.	Section 4.4.2.4 should mention that there is an entire Section of the Official Plan devoted to the Ridge Landfill (Section 2.4.12) which includes policy direction on expansion of an existing waste management use. In addition, there is an agricultural buffer designation on a portion of the Ridge landfill lands.	Amend Section 4.4.2.4 accordingly.	<p>The Ridge Landfill property is located in the community of Harwich Township in the Chatham-Kent Official Plan. The Municipality's Official Plan includes land use policies specific to the ongoing operation, potential expansion and closure of the Ridge Landfill. The Waste Fill Area falls under the <i>Waste Management Area</i> land use designation, which allows disposal of non-hazardous waste only. The current landfill site area is bounded on three sides by lands under the <i>Agriculture/Buffer Area</i> designation, which allows for agriculture, farm-related industrial and farm-related commercial uses and accessory uses. A small portion of the Ridge Landfill site property is designated <i>Agricultural</i>.</p> <p>Portions of Erieau Road, Drury Line and Communication Road between Allison Line and Highway 401 fall under the <i>Waste Management Truck Route</i> Official Plan land use designation, also known as <i>Ridge Landfill Truck Route</i> in Official Plan schedules.</p> <p>Official Plan policies indicate that in order to seek expansion of a landfill on lands under the above designations, the operator must demonstrate, in a manner satisfactory to the Municipality, that the design capacity of the existing landfill site will be reached within 10 years. This information was presented to the Municipality of Chatham-Kent. Furthermore, any expansion of an existing waste management use or establishment of a new use can only take place on lands zoned to permit those uses.</p> <p>Portions of the site (the three woodlots) are regulated under the <i>Open Space Zone OS1-105</i> designation, which permits open space, private recreational uses, forestry and fisheries, conservation, and preservation of wildlife and fisheries.</p> <p>The surrounding area is designated <i>Agricultural</i>, which permits</p>

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				typical agricultural and farming uses.
5.	Section 5.4, page 31	The disposal of landfill leachate is not discussed in the Terms of Reference. Minutes of the December 16, 2015 meeting with MOECC staff indicated that the leachate from the existing facility is piped to the Blenheim wastewater treatment plant. It is not known what the capacity is of the pipes and wastewater treatment plant to accommodate further wastewater from the expanded landfill.	The Terms of Reference should detail how the impact of leachate from the expanded landfill site will be studied/assessed. The ToR should include the commitment to assess if the pipes and the Blenheim wastewater treatment plant have the capacity to process further wastewater from the expanded landfill, if piping the leachate to the Blenheim wastewater treatment plan is the recommended approach.	<p>New waste cells would include a leachate collection system and landfill gas management system that meets <i>Ontario Regulation 232/98</i>. The leachate collection system and landfill gas management system would be connected to the existing systems on-site.</p> <p>An assessment of the existing leachate management system, including the Blenheim Waste Water Treatment Plant and associated piping, will be undertaken to confirm sufficient capacity for leachate management from an expanded landfill.</p> <p><u>Appendix A (Design & Operations Report)</u> The report will follow <i>Ontario Regulation 232/98</i> and the <i>Landfill Standards</i> published by the MOECC in January 2012. The report will address the following key components:</p> <ul style="list-style-type: none"> • Regulatory and approval requirements; • Estimated waste characteristics and quantities to be accepted; • Site development plans and details, including limits and contours; • Landfill capacity and soil balance; • Landfill development sequencing; • Leachate management, including an assessment of the capacity of the existing Blenheim Waste Water Treatment Plant; • Landfill gas management; • Design and operation assumptions for the Ridge Landfill site; <p>...</p>
6.	General Comment	The ToR should reference the land use compatibility policies of the Provincial Policy Statement and the MOECC's Land Use Planning Guideline D-4. Guideline D-4 outlines the Ministry's expectations for land use control in the periphery of landfill sites. The peripheral areas to the landfill site deemed to be affected (such as a Contaminant Attenuation Zone) may need to be identified in the Official Plan. The existing agricultural buffer area in the Official Plan may be related to land use compatibility.	Amend the ToR to reference the land use compatibility policies of the Provincial Policy Statement, and the D-4 Guideline.	<p><u>Section 2.2.1 (Provincial Land Use Planning Policy)</u></p> <p>The Province has also developed a series of land use policies specific to waste management uses. The Provincial Policy Statement, 2014 (the PPS) points out the need for waste management systems of an appropriate size and type to accommodate present and future requirements, and facilitate, encourage and promote reduction, reuse and recycling objectives. The PPS</p>

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				<p>dictates that waste management systems be located and designed in accordance with provincial legislation and standards, and directs planning authorities to consider the implications of development and land use patterns on waste management and diversion.</p> <p>The MOECC provides guidance by way of the "D-4 Land Use On or Near Landfills and Dumps" land use guidelines. These guidelines apply to all proposals for land use on or near any landfill which contains municipal solid waste, industrial solid waste and/or sewage sludge. The guidelines direct that several factors must be considered when land use is proposed near an operating landfill site. These include, but are not limited to, water contamination by leachate, odour, litter, dust, noise, surface runoff and landfill-generated gases. These will be considered as part of the technical studies completed as part of the EA.</p> <p>The MOECC guidelines dictate that no land use may take place within 30 m of the perimeter of the fill area, and that land use be studied within 500 m of that perimeter (or beyond in cases where significant impacts are expected to be encountered at or beyond that distance). The impact study areas are discussed in Section 4.3.</p>

Please return this table in both PDF and Word formats.

Ministry of the Environment and Climate Change Comments

Proposal: DRAFT Terms of Reference (ToR) for the Ridge Landfill Expansion Environmental Assessment

Proponent: Progressive Waste Solutions

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Enoch Tse, P.Eng, Senior Noise Engineer				
1	General Noise review	The draft ToR does not list the relevant noise guidelines and documents that will be used to prepare the noise assessment.	<p>The following documents need to be part of the operational and construction requirements of the project:</p> <ol style="list-style-type: none"> 1. Construction Noise: <ol style="list-style-type: none"> a. MOECC Publication NPC-115, "Construction Equipment"; b. MOECC Publication NPC-118, "Motorized Conveyances"; and c. any applicable municipal noise by-laws. 2. Construction Vibration: <ol style="list-style-type: none"> a. MOECC Publication NPC-207, "Impulse Vibration in Residential Buildings", November 1983, as amended. 3. Operations Noise: <ol style="list-style-type: none"> a. "Publication NPC-300" means the Ministry Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August, 2013, as amended. 4. Noise Report shall be prepared in accordance with the following documents: <ol style="list-style-type: none"> a. MOECC Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October 1995, as amended; and b. Supporting Information for the Preparation of an Acoustic Assessment Report, Prepared by the Air and Noise Unit, Environmental Assessment and Approvals Branch, November 2003. 	<p>A stand-alone noise impact study will be prepared which will include all the assumptions and considerations used in the assessment as well as modelling results and findings of the study.</p> <p>The report will be prepared in accordance with the MOECC noise guideline publications NPC-300 - Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication (2013) MOECC noise publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", (1995) and the follow-up version (2003).</p> <p>If required, the report will also include a noise mitigation section that will provide the details of the proposed noise mitigation plan for the Ridge Landfill.</p> <p>For the construction phase of the project, the activities will be reviewed against MOECC's publications NPC-115 (Construction Equipment), NPC-118 (Motorized Conveyances) and NPC-207 (Impulsive Vibration in Residential Buildings) and if required qualitative assessments will be prepared.</p>

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Ministry of the Environment and Climate Change Comments

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Proponent: Progressive Waste Solutions

Comment #	Reference to ToR	Comments & Rationale	Proposed Action/Solution	Action Taken by Proponent Actions taken/solutions implemented to address noted comments (revised wording to be added to the ToR is shown in bold)
Alison Munro, Surface Water Specialist, MOECC Southwestern Region				
1	Section 4.4.1.3 Surface Water, page 23 and Appendix "A", Technical Work Plan Summaries, "Surface Water Assessment (pages un-numbered.)"	<p>Surface water and biological monitoring is proposed to be completed on both on-site and off-site drains at the existing Ridge Landfill site. The information collected will summarize existing conditions at the Landfill under current approval. The results of the data collection and field work will then be used to provide guidance for impact assessment and mitigation when assessing the preferred alternative. This is an acceptable format and appears to be in keeping with the purpose of a Terms of Reference.</p> <p>It is noted that runoff from the landfill is conveyed to Jeannette's Creek via Duke, Howard, Lewis, Scott and Gales drains. However, biological and surface water monitoring is not always proposed on each of these drains. Also, at times in the ToR, McDowell drain is added to the list of drains to be assessed. Due to these differences, it is suggested that the rationale for monitoring (or lack thereof) on each of these drains should be clarified.</p>	Proponent to make the changes to Section 4.4.1.3 Surface Water, page 23 and Appendix "A" and provide a response to the comments in the column to the left.	<p><u>Section 4.4.1.3</u> The Ridge Landfill site is situated in the southeastern end of the Jeanette's Creek Subwatershed. The Jeanette's Creek Subwatershed encompasses an area of approximately 380 km² and outlets into the Thames River 3 km upstream of Lake St. Clair.</p> <p>Local topography is considered flat to depressed, with average slopes of less than one percent. Internal drainage within the on-site study area is considered poor resulting in high runoff characteristics.</p> <p>Surface runoff from the existing site and proposed landfill expansion area is primarily received by the Duke Drain, Howard Drain, and Scott Drain (tributary of the Howard Drain). Flow rates in these watercourses are variable throughout the year. Within the 1 km study area there are two other drains, the Lewis Drain and Gales Drain, which do not receive flows from the site. A third drain within the 1 km study area, the McDowell Drain, also does not receive direct flows from the site but is part of the Howard Drain watershed area.</p> <p>There are 5 existing ponds on the property that collect stormwater and a flood control facility that does not come into contact with waste.</p> <p><i>Note</i></p> <p>Mussels are not included in the aquatic assessment, as mussels have not been observed within the watercourses in the vicinity of the proposed landfill expansion site during previous investigations (i.e., 1997 EA and ongoing monitoring activities). Furthermore, a review of available Species at Risk mapping does not show critical habitat for mussel species within the watercourses in the vicinity of the landfill site.</p> <p><u>Appendix A</u> The study area for the Surface Water Assessment will focus on the on-site Duke Drain, Howard Drain, and Scott Drain (tributary to Howard Drain) but will also extend to the limits of the watershed boundary of the Howard, Scott, Duke and McDowell Drains (for the purpose of hydrologic analyses). This will enable a more comprehensive characterization of baseline conditions at a watershed scale to assist in the assessment of potential surface water impacts.</p> <p>A desktop review of background data will be completed to enable an understanding and synthesis of recently completed studies and relevant supporting information. Field Investigations to characterize existing conditions will</p>

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	Provide the specific volume(s), section(s) and page number(s)	<p>Please provide an explanation of your comments. Describe the rationale for why issue of concern is important for EA purposes. Identify if your issue of concern is related to the EA or related to regulatory instruments, or both.</p> <p>There is reference to aquatic biology monitoring on the site, however it is only specific to fish. If other aquatic species are present in the drains (benthic invertebrates, mussels etc.) that may require impact assessment and mitigation, they should also be considered in the EA.</p> <p>It is recommended that surface water quality monitoring for baseline conditions should, at a minimum, be completed for any parameter for which they are currently sampling under the current Approval.</p>	Please describe in detail what action you recommended to address your comments/concerns. Actions may include but not limited to: amendments to the document, information requests, proposed commitments, future permits and approvals etc.)	<p>focus on understanding existing flow conditions in the on-site drains under both high and low flow conditions.</p> <p>Detailed surface water investigations will be undertaken to assess water quality and water quantity considerations as well as habitat conditions (in cooperation with the biology discipline), in accordance with the criteria outlined in the <i>Landfill Standards: A Guideline on the Regulatory and Approval Requirements for New or Expanding Landfilling Site (January 2012)</i> document.</p> <p>The investigations will include the following (note: only the first three bullets below apply to the McDowell Drain):</p> <ul style="list-style-type: none"> • Confirmation of overland flow routes, drainage boundaries and outlet locations; • Inventory of existing hydraulic structures (i.e., location, size, material); • Measurements of typical stream channel geometry (i.e., bottom width, side slopes, depth); • Climate and stream flow monitoring (initiated in the fall of 2015) to collect: <ul style="list-style-type: none"> • rainfall data and ambient temperature data; • water temperature and water levels data; and • stream flow gauging measurements. • Surface water quality sampling of indicator parameters such as temperature, suspended sediments, inorganics, major ions, bacteria, trace organics and nutrients. • A benthic community inventory, including taxonomic sorting and identification of macro-invertebrates, which will follow the <i>Ontario Benthos Biomonitoring Network: Protocol Manual (January 2007)</i>. <p>Surface water quality investigations will be conducted in the Duke Drain, Howard Drain, and Scott Drain, which transect the landfill site and, accordingly, represent the most appropriate watercourses to assess potential effects related to the proposed landfill expansion. This methodology is consistent with the annual monitoring program under the current approval.</p>

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Ministry of the Environment and Climate Change Comments

Proposal: DRAFT Terms of Reference (ToR) for the Ridge Landfill Expansion Environmental Assessment

Proponent: Progressive Waste Solutions

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Mark Harris, P.Geo, Hydrogeologist, MOECC, Southwestern Region				
1	Appendix "A", Technical Work Plan summaries, "Hydrogeological Assessment" (pages un-numbered.)	<p>The purpose of a ToR document is to guide the technical studies that are to be completed in support of a formal EA. The current ToR provides only a very preliminary overview of the types of hydrogeological investigations that are planned. This is not unexpected given that it is currently a very early stage in the process. The scope of technical studies will normally evolve over time as more information becomes available. This is the nature of scientific inquiry.</p> <p>The ToR initially identifies several very specific field methods that will be used during the hydrogeological investigation. However, there is no explanation as to why these methods will be used (e.g. conduct isotopic assessment at two wells, periodic monitoring of water levels in wells). Further, this list is by no means complete and it is too early to speculate as to which specific field methods and data analyses will be necessary.</p> <p>In place of the above, it is recommended that the ToR would be more effective if it outlined the objective of the hydrogeological assessment. In short, this would be to demonstrate that the site can be constructed without causing an adverse effect to off-site ground water. This would be achieved by characterizing the existing hydrogeologic setting, understanding the impacts of the existing landfill site, and then predicting the impacts that could be expected if the landfill site is approved.</p> <p>While the section entitled "Impact assessment & Mitigation" does begin to address these themes, it is recommended that this be expanded and moved to the top of the section so that the layperson clearly understands the point of doing hydrogeological investigations.</p> <p>If the authors feel that it is important to identify specific investigation techniques, then it is recommended that further</p>	Proponent to make the changes to Appendix "A" and provide a response to the comments in the column to the left.	<p><i>Note:</i> It is the intention of the proponent to demonstrate that the preferred site development alternative method can be constructed without causing unacceptable off-site impacts to groundwater resources in the Final EA Document.</p> <p>Please see Attachment 1 for changes to Appendix A related to hydrogeology.</p>

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		<p>context be included as to why the methods are to be used. For example, water levels will be measured in order to determine the direction of ground water flow. Another example could be that hydraulic conductivity testing will be conducted to help to determine how leachate will migrate through the subsurface. Other types of studies may be deemed necessary once the preferred alternative is selected, and/or the results of initial data collection are considered.</p> <p>It is recommended that some discussion be provided about how the broader ground water environment will be considered. The site will need to be designed so that it can meet the Ministry's Reasonable Use Guideline. This protects ground water at the property boundary, and thus, it should also protect any wells or other ground water receptors that might exist beyond. The ToR should clearly identify that these offsite receptors will be considered during the EA study.</p> <p>Regardless of the format or scope of the ToR, approval of a waste disposal facility at this site will only be approved if appropriate studies show that it can be done without unacceptable impacts to ground water resources and function. The proponent will be responsible for demonstrating that this is the case, to the extent deemed necessary by the Ministry.</p> <p>Finally, to be clear, it is this office's expectation that a Final EA document would be able to demonstrate that the preferred alternative can be constructed without causing unacceptable off-site impacts to ground water resources. If the proponent intends to instead complete this evaluation after the final EA document is prepared, this office should be consulted very early during the EA process.</p>		

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Appendix I

Final Terms of Reference Review

Additional Comments Received - Ridge Landfill Terms of Reference

Comment and Rationale	Response
<i>Additional Comments</i>	
<p>We are concerned about the expansion as it will bring the landfill closer to our house. Issues are :</p> <ul style="list-style-type: none"> • Increased noise • Increased odour • Dust • Blowing garbage • Decreased property values • Decreased enjoyment of the outdoors • Increase of trucks past our house which is not on a truck route. This is already happening. Have talked to landfill representatives but did not get a return call for an explanation. 	<p>As part of the EA, PWS will be conducting a number of studies including ones to assess the potential noise, dust, blowing litter, visual and odour effects of the expansion and the impact on residents in the vicinity of the site and their ability to enjoy their property.</p> <p>It is recognized that maintaining property value is important to residents. As part of its commitment to the local community, PWS has a property value protection program in place. The community benefits that PWS provides are based on the potential impact of the landfill and this program will be reviewed as part of the EA process once potential impacts of the proposed expansion are known.</p> <p>Regarding your comment on truck traffic, PWS requires haulers to use the designated haul route. It is noted that the designated haul route is for trucks coming from the north, primarily from Highway 401. As discussed on the phone, neighbours are encouraged to contact PWS about off-route trucks and to gather as much information about the truck as possible and as soon as practical to enable staff to either seek out the truck or if enough information is provided to identify the hauler and address the infraction.</p> <p>The procedure PWS took after the call, like other complaint calls, was to record the complaint for submission in the Ridge's Annual Report to be provided as required to the</p>

Comment and Rationale	Response
<p>We produce too much garbage. Even with the introduction of recycling and composting depots for yard waste, there still seems to be an ever increasing steady stream of garbage that is abandoned in landfill sites every day. This garbage does not go away or decompose, instead off-gassing and leaching of less than desirable components contaminates our air and land. There seems to be a lack of communication between the landfill site and the waste management companies, and from there not enough communication or emphasis on the importance of producing less waste.</p>	<p>MOECC.</p> <p>The passing of the Waste-Free Ontario Act on June of 2016 and the December 2016 release for public review of the accompanying Waste-Free Ontario Strategy, signals Ontario's focus on reducing waste. PWS is supportive of this provincial initiative.</p> <p>PWS recognizes that the materials it manages are valuable resources that if diverted from disposal, could be beneficially reused or recycled. As part of its commitment to environmental sustainability, PWS works with their customers to find at-source solutions for segregation of wastes that have a beneficial end-use and will continue to work with them to expand waste diversion programs. PWS also supports corporate diversion programs, including any corporate LEED initiatives for our clients.</p> <p>PWS continues to consider opportunities for additional waste diversion through this EA process. Section 5.2.1 of the TOR outlines the three waste diversion systems PWS will consider to address future diversion opportunities such as organic waste composting or anaerobic digestion, C&D waste and new materials diversion. Alternative diversion systems will be assessed using the evaluation criteria set out in Table 1B in Appendix B of the Final TOR which will be refined through public consultation as part of the EA process.</p>
<p><u>Job Creation and Resource Management</u> What if we were to create an organization like Habitat for Humanity where it is a one stop shop to bring all your odds and ends of recyclable materials? And with that we could introduce</p>	<p>There are numerous opportunities to divert waste from landfill that are appropriate at different scales.</p> <p>As a component of PWS' commitment to the diversion of</p>



Comment and Rationale	Response
<p>a composting section to assist with kitchen waste. Kitchen waste seems to be the heaviest of all waste due to its water content and would produce valuable soil for community gardens or for sale. This could employ local people and make use of one of the many unoccupied buildings in Chatham-Kent.</p> <p>Another method that could have similar results would be to have a spread in the local newspaper or flyer or Kijiji or Facebook advertisement distributed a couple times a year highlighting the various recycling programs located in Chatham-Kent. Everything from yard waste at the local depot and compost to community gardens, to the battery recycling program at Battery Boy and electronics recycling at the warehouse on Grand Avenue could be mentioned.</p>	<p>waste from disposal, Section 5.2.1 of the TOR notes the plan to include an expanded public drop-off area at the Ridge Landfill site to divert additional recyclable materials. The public drop off could include materials such as household hazardous waste, electronic wastes and other recyclable materials as designated by the Province.</p> <p>PWS is also committed to continued collaboration with the Ridge Landfill host community of Chatham-Kent to develop partnership opportunities to support their municipal waste diversion targets. As part of this effort, PWS will discuss your suggestions along with other ideas with Chatham-Kent.</p>
<p><u>Garbage Receptacle Size</u> Why do our garbage containers have to be so large? No one in their right mind should be creating that much garbage every week, let alone a family of 4 or 5. Isn't it crazy that we have a paper recycling bin and a blue bin AND a garbage bin that could probably fill the contents of five blue bins?</p> <p>We seriously need to think through our purchasing power as if it were a vote that actually counts. Roughly 10% of the cost of an item goes into the packaging. So if we were to remove the packaging, we save 10%.</p>	<p>The PWS Chatham District provides IC&I waste and recyclables collection as well as curbside collection services for the Municipality of Chatham-Kent. Recyclables are delivered to Chatham-Kent Recycling and PWS recently implemented an automated waste collection system which is supporting a one cart limit to the amount of waste that can be set out for disposal on a weekly basis. It is appreciated that the carts are large. This generic size was selected to accommodate families of all sizes as well as participating businesses in the curbside program. There is no requirement to place the cart out on a weekly basis if the bin is not full.</p> <p>The three bin system is necessary as there will always be residual waste for disposal after recycling initiatives have been undertaken and the current processing facility that receives recyclables is only equipped for the two-stream</p>



Comment and Rationale

Response

Educating the public

We are not getting the message out to the public enough. There is a lack of education and lack of thought about what we should be telling the public about:

- The garbage they purchase
- How much packaging is involved
- How renewable the resource is
- What the real cost is of producing, disposing and managing the waste
- What positive and negative externalities changing or keeping with this behaviour will have on our health, but also on our pocket books and the environment
- Not everyone follows the guidelines and standards of proper waste disposal. There are many old schools of thought to throw everything in one receptacle including chemicals and other substances such as carcinogens that leach into our soil and ground water
- The result is the same, but we need to focus in on different income brackets to determine approaches in education

fibres and containers recycling system.

It is recognized that a significant amount of the waste produced is packaging. Reducing waste including packaging and treating materials as resources are important elements in the final draft of the provincial Strategy for a Waste-Free Ontario, Building the Circular Economy (Dec 2016).

One of the actions in the final draft of the provincial Strategy for a Waste-Free Ontario, Building the Circular Economy (Dec 2016) is to establish promotion and education requirements to support public participation in resource recovery.

As a private company providing waste management services to customers, PWS works with their customers to find diversion solutions and to support related educational initiatives. As noted, PWS is committed to continued collaboration with the Ridge Landfill host community of Chatham-Kent to develop partnership opportunities to support their municipal waste diversion targets. This effort includes educational opportunities and supporting them in their current waste reduction efforts and future programs that will need to be implemented as the results of the Strategy for a Waste-Free Ontario.

Ministry of the Environment and Climate Change Comments

Proposal: DRAFT Terms of Reference (ToR) for the Ridge Landfill Expansion Environmental Assessment

Proponent: Progressive Waste Solutions

Date: Comments were received on December 20, 2016 and responses provided January 6, 2017. Additional comments received and responded to in January/February are noted.

Comment #	Reference to ToR	Comments & Rationale	Proposed Action/Solution <i>(additional actions received in January/February 2017 provided in brackets and italics)</i>	Proponent Response Please describe in detail your response to address the comments/concern. Actions may include but not limited to: amendments to the document, additional information, proposed commitments, etc.).
MOECC Drinking Water Management Division Source Protection Programs Branch Brittany Dewsbury <i>(A/Program Analyst)</i>				
1	General comment about the whole ToR	The Proposed Terms of Reference for the Ridge Landfill Expansion Individual Environmental Assessment is located in the Lower Thames Valley Source Protection Area, and is subject to the Thames-Sydenham and Region Source Protection Plan (SPP) <i>(identified in 'Map 1' below)</i> . The site is currently <u>not</u> located in any designated vulnerable areas <i>(see 'Table 1' below)</i> . In essence, the expansion of Ridge Landfill is not considered to be a significant drinking water threat.	<u>No action required</u> by the proponent to amend their ToR/EA to conform to the significant, and moderate and low threat policies, as there are no designated vulnerable areas on the site. <i>(No response required.)</i>	No action required.
2	General comment about the whole ToR	As per policy 4.12 <i>Environmental Assessment Reviews</i> in the SPP, in areas where the activity would be a significant, moderate or low drinking threat, the Conservation Authorities (CAs) should review the EA documentation when circulated by the proponent, provide available Source Protection Information and request Source Protection Planning information (including an assessment of risks	Even though the landfill site, including the expansion, is not located in a designated vulnerable area, <u>SPPB recommends that the proponent consults with the appropriate CA.</u> The CA may outline other policies not in the SPP that apply to the project and/or area, so consultation with this source is important in the EA development.	Agreed. PWS met with the Lower Thames Valley Conservation Authority on March 30, 2016 to discuss the project. LTVCA were notified of the draft and final Terms of Reference for review and comments from LTVCA on the draft TOR were received. PWS will continue to consult with LTVCA during the preparation of the EA.

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		for the proposed and preferred alternatives) be included in the EA.	<i>(Response to MOECC's previous comment acknowledged.)</i>	
3	2.2 Addressing Relevant Provincial Legislation, Plans and Strategies; Page 9	SPPB commends the proponent on the attention to source water protection and the composition of an environmental management program in section 2.2, however, SPPB would like to note that it is inaccurate to state that the "Project does not fall within a regulated Source Water Protection Area". In fact, the project <u>does</u> fall within an SPA, the Thames-Sydenham and Region SPA, as stated in comment #1.	It is <u>recommended that proponent amend this section</u> to iterate that "although the Project falls within the Thames-Sydenham and Region Source Protection Area, the Project does not fall within any designated vulnerable areas." <i>(Please confirm that the Proponent will amend the ToR to include the suggested wording being requested.)</i>	We acknowledge this comment and will ensure that the EA document appropriately refers to the Project as within the Thames-Sydenham and Region Source Protection Area; however, not within any designated vulnerable areas. <i>Additional response provided February 2017</i> Section 2.2 has been amended and now says: The project falls within the Thames-Sydenham and Region Source Protection Area; however the Project does not fall within any designated vulnerable areas. Section 4.4.1.2 has been amended and the first sentence now says: The Ridge Landfill property falls within the Thames-Sydenham and Region Source Protection Area; however not within any designated vulnerable areas.
4	General comment about the whole ToR	Even though the project is not located in a designated vulnerable area, according to provincial standards set out under the CWA, the proponent should be documenting as part of their EA how they have considered and assessed the proximity of the project to any municipal, non-municipal and any other private sources of drinking water, as well as mitigating	It is recommended that the proponent <u>assesses the proximity of the project to any drinking water sources</u> and include mitigation measures that address potential impacts. <i>(Response to MOECC's previous comment acknowledged.)</i>	Agreed. Table 5 in the TOR presents the proposed impact assessment criteria. Under Geology/Hydrogeology, these criteria include "potential impacts to domestic water wells"; and will include mitigation measures that address potential impacts.

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		measures to address any negative environmental impacts to those sources (considering natural, economic and social/cultural environmental impacts).		
	<i>Attached: Maps 1, 2 and Table 1</i>			<i>No response required</i>
Tammie Ryall, Environmental Planner/Regional EA Coordinator, Air, Pesticides and Environmental Planning, MOECC Southwestern Region				
5	Section 2.2.1, page 9	Clarification of the reference to: "The MOECC guidelines dictate that no land use may take place within 30 m of the perimeter of the fill area..." . Section 2.2.1 of the ToR should be changed to recognize that 30 metres is a minimum setback, as per Section 5.2.1 of Guideline D-4. The guideline states that the buffer shall be no less than 30 metres; it is normally 60-100 metres.	It is suggested that section 2.2.1, last paragraph, be changed to more closely follow the Guideline, which is included below for convenience. "5.2.1 Operating sites No land use may take place within 30 metres of the perimeter of a fill area. This is a minimum distance. Each operating landfill shall have an on-site operational/maintenance buffer area identified on the Certificate of Approval. This buffer shall be no less than 30 metres; it is normally 60-100 metres." <i>(The Terms of Reference should be amended to address this comment)</i>	We acknowledge this comment and will ensure that text in the EA follows the guideline referring to the 30 metres as a minimum buffer with the normal buffer between 60 -100 metres. <i>Additional response provided February 2017</i> The final paragraph in section 2.2.1 has been amended and now says: The MOECC guidelines dictate that no land use may take place within 30 m of the perimeter of the fill area, that this is a minimum distance and that all landfills must include an on-site operational/maintenance buffer of no less than 30 m and typically between 60 and 100 m. The operational buffer will be established as part of the landfill site development alternatives. The guideline also indicates that land use should be studied within 500 m of the perimeter of the fill area (or beyond in cases where significant impacts are expected to be encountered at or beyond that distance).

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Amir Bahadori, Air Quality Analyst, MOECC Southwest Region				
6	General air review and Appendix A, Air quality assessment	<p>A- The draft ToR does not list the relevant air guidelines, standards, and documents that will be used to prepare the air assessment</p> <p>B- The author says: "Indicator compounds such as total suspended solids, nitrogen oxides and particulate matter will be used for the air emission assessment." Total Suspended Solid (TSS) is not an air indicator compound. It is a water and wastewater indicator compound.</p> <p>The proponent does not state that what ambient air contaminants will be included in the EA</p>	<p>A- Proponent to list the relevant air guidelines, standards, and documents that will be used to prepare the air assessment</p> <p>B- Proponent to should clearly state that what ambient air contaminants will be included in the EA</p> <p>C- The proponent should clearly state that what ambient air contaminants will be included? In particular, in addition to ambient air quality criteria, the ministry has published a target list for VOC monitoring at landfills. It is composed of the following:</p> <ul style="list-style-type: none"> · Carbon Tetrachloride · Chloroform · 1,2-Dichloroethene · Ethylene Dibromide · Ethylene Dichloride · Methylene Chloride · Perchloroethene · Trichloroethene · 1,1,1-Trichloroethene · Vinyl Chloride · Vinylidene Chloride · Total NMOCs · Total Suspended Particulate 	<p>The following guidance documents and reference information may be used in support of the air quality impact assessment:</p> <ul style="list-style-type: none"> · <i>Ontario Ambient Air Quality Criteria</i>, PIBS #6570e01, Standards Development Branch, Ontario Ministry of Environment and Climate Change, April 2012; · <i>Summary of Standards and Guidelines to Support Ontario Regulation 419: Air Pollution – Local Air Quality</i>, PIBS #6569e01, Standards Development Branch, Ontario Ministry of Environment and Climate Change, April 2012; · <i>Technical Bulletin – Modelling Open Flares under O.Reg. 419/15</i>, Environmental Monitoring and Reporting Branch, Ontario Ministry of Environment and Climate Change, July 2016; · <i>AP-42 Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources</i>, US EPA, Fifth Edition, January 1995 & updates (website); · <i>US EPA Report: Exhaust and Crankcase Emission Factors for Non-Road Engine Modeling - Compression-Ignition</i> (2010).

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			<p>If the local soil is known to contain significant quantities of metal, silicates, or other substances that may have associated air standard or are believed to cause adverse health effects, these should be assessed as well.</p> <p><i>(The followings regarding the previous MOECC comments still need to be addressed in the ToR: A- Proponent to add “the latest version of the Operations Manual for Air Quality Monitoring in Ontario” to the list C-Proponent to clearly state that “the ministry target list for VOC monitoring at landfills” will be included in the EA. Methane (CH4) and carbon dioxide (CO2) are the major constituents of landfill decomposition gas which needed to be monitored as well.)</i></p>	<p>The five proposed indicator compounds for the air quality emissions assessment are:</p> <ul style="list-style-type: none"> · total suspended particulate matter, · particulate matter with an aerodynamic diameter <2.5 microns (PM2.5), · nitrogen oxides, · hydrogen sulphide; and · vinyl chloride. <p>Total suspended particulate matter emissions are attributable to activities such as material handling, vehicle traffic/road dust and wind erosion. PM2.5 emissions are also associated with these activities as well as from fuel combustion equipment such as diesel trucks and off-road vehicles (tailpipe emissions), and landfill gas flares. Oxides of nitrogen (NOx) is selected as the indicator compound for gaseous products of fuel combustion associated primarily with gasoline or diesel fuel vehicles and landfill gas flares. (Hydrogen sulphide is selected as an indicator of sulphur-based odour compounds that can be generated through anaerobic decomposition of certain wastes.) Volatile organic compounds (VOCs) are generated in the waste decomposition process and are present in landfill gas emissions. Vinyl chloride will be used as the indicator</p>

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				<p>compound in the assessment of landfill gas VOC emissions as it is defined as a hazardous air pollutant (HAP) (US EPA), and it is typically found at a higher concentration (relative to other HAPs) in landfill gas.</p> <p><i>Additional response provided February 3, 2017</i></p> <p>The above has been added to the Air Quality Assessment technical work plan summary in Appendix A.</p> <p>We offer the following response to the additional comments received in January on the final ToR:</p> <ul style="list-style-type: none"> - PWS was requested to add the <i>Operations Manual for Air Quality Monitoring in Ontario</i>, Ministry of the Environment, Operations Division, Technical Support Section, March 2008 to the resources for the air quality assessment. PWS believes that this is a valuable resource for the monitoring that will be required to obtain EPA approval but is not a resource applicable for the EA. <p>Please also note that ambient air quality monitoring was conducted at the landfill in 2014/2015, and this monitoring was scoped, witnessed and approved by the MOECC (Gerald Diamond). This monitoring was conducted as part of the ECA process for the landfill and is</p>

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				<p>reflective of current conditions at the site.</p> <p>The landfill has a landfill gas capture and control system, therefore emissions of methane at the site are generally controlled. Emissions of CO2 would stem primarily from the landfill gas control system, and those emissions are calculated annually and documented at the site. The estimated CO2 emissions will be included in the EA.</p> <ul style="list-style-type: none"> · PWS was requested to include the MOECC target list for VOC monitoring at landfills in the EA as well as monitoring of methane and carbon dioxide, major constituents of landfill decomposition gas. PWS believes that including an indicator compound for VOCs is an appropriate level of assessment for the EA, as is typically done in the EA process. It is recognized that additional monitoring may be required to obtain EPA approval at which time the MOECC target list for VOCs will be addressed, in consultation with the MOECC. <p><i>Additional response provided February 10, 2017</i></p> <p>We offer the following response to the additional comments received in February on the final ToR:</p> <ul style="list-style-type: none"> · PWS will commit to including the Ministry target list for VOC monitoring at landfills

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				<p>as part of the air quality parameter modelling to take place during the EA.</p> <ul style="list-style-type: none"> · PWS does not believe additional monitoring is needed at the Ridge for the VOC target list. The existing MOECC approved monitoring program is reflective of current conditions at the landfill and will be used as baseline conditions for the work to be undertaken during the EA. Repeating this program to do additional monitoring at 2017 would not produce a different result for baseline conditions. Similarly, PWS does not believe monitoring for methane and CO₂ is needed as part of the EA. This is not typically conducted at the EA stage, as GHGs do not have ambient air quality standards/criteria. Monitoring of these parameters would not provide data that could be used for a GHG assessment for the landfill within the EA or ECA processes. PWS is open to continuing discussion of these requests with the Air Quality reviewer. · The soil that is used at the site for berm and cell construction is native soil. There are no historic industrial land uses at the landfill property. Current day activities around the site are primarily agricultural. Therefore, the potential for elevated metals or silicates is minimal and PWS does not anticipate that these would need

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				to be considered in the EA.
7	Page 21, section 4.3 study area	The proponent suggests that the investigation will be conned to area within one kilometer of the study site boundaries (Off-Site Area).	How did they arrive at this value and why? For instance, in the right circumstances could not odour from the landfill travel further than a kilometer? <i>(Response to MOECC's previous comment acknowledged.)</i>	Residual effects for the Ridge landfill site have predominantly occurred within 1 km of the fill areas. The 1 km off-site study area is also consistent with how impact assessments were undertaken the last time the Ridge was expanded in the 1997 EA, including the air quality assessment. Further, Section 4.3 of the TOR indicates that if broader study areas are required, they will be addressed on a case-by-case basis during the EA.
8	Page 21	The proponent suggests that "PWS is also planning to develop a biogas facility to convert landfill gas into a pipeline quality natural gas."	What is the timeline of the project and when would it be finished? How this project may affect the landfill's socio-environmental impacts? <i>(The proponent response should be included in the TOR.)</i>	The timing of a future biogas facility has not been confirmed. While PWS is planning to develop a biogas facility it would only be constructed at a time where it is determined to be financially feasible. External factors beyond PWS control affect this e.g. MPAC rulings, gas and power markets. If the facility is determined to be a viable option during the EA process the EA will take into consideration the socio-environmental impact. <i>Additional response provided February 2017</i> The following text has been added at the end of section 4.2: The timing of a future biogas facility has not been confirmed. It is anticipated that construction of a biogas facility would occur at a time when it is determined to be

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				financially feasible. External factors beyond PWS control affect financial feasibility e.g. MPAC rulings, gas and power markets. If the facility is determined to be a viable option during the EA process the EA will take into consideration the socio-environmental impact.
9	Page 28, section 4.4.3.1 Traffic	The proponent notes that “it is anticipated that there could be an increase in truck traffic during construction, or to accommodate materials being brought to the landfill for waste segregation activities”	It may be fruitful to include some estimate of the effects of the truck traffic and include projections that reflect the impact of possible increases <i>(Response to MOECC’s previous comment acknowledged.)</i>	Agreed. Projections related to the number of trucks anticipated for construction and waste segregation will be made in the EA to facilitate the assessment of potential impacts.
10	Page 60, section 7.0 commitment and monitoring	The ToR does not address the potential complaint that might arise	Proponent to include the commitment to a Complaint Management Plan and best practices <i>(Response to MOECC’s previous comment acknowledged.)</i>	Agreed. It is noted that PWS has a 24 hour hotline number and a procedure in place for managing complaints received. A complaint management plan based on best practices will be included as one of the EA commitments.
Southwestern Region – Mark Harris, Hydrogeologist				
11	4.5	The main body of the Terms of Reference was not updated to identify the objectives of the hydrogeological assessment. This is despite the fact that the September 19, 2016 “comments table” included a statement to identify that “ <i>Section 4.4.1.2 of the ToR has been updated to provide an outline of the objectives of the</i>	I recommend that the section of the ToR document be updated to include at least a brief purpose or objective. The wording in the Hydrogeological Assessment section of the work plan is acceptable. This is more valuable and meaningful than the brief overview of regional geology that is currently included in section 4.4.1.2 It is my opinion that the reader should expect to	As per comments from MOECC reviewers on the draft TOR, changes were made to Appendix A – Technical Work Plan Summaries to provide information on the purpose and objectives of the hydrogeological assessment. Section 4.4 of the TOR documents existing environmental conditions. Section 4.5 of the

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		<i>hydrogeological assessment.</i> ” There is no wording in this section regarding the objectives of any ground water study.	understand the goals of the ground water study without having to consult an appendix.	TOR speaks to the technical studies to be completed during the EA. We have structured this section to be brief with the details for all disciplines being presented in the technical work plan summaries included in Appendix A. This approach is consistent with the other TORs. <i>Additional response provided February 2017</i> The hydrogeology section in Table 2 was revised to briefly include the purpose of the groundwater assessment and now reads: Field investigation will be conducted, including testing for hydraulic conductivity, water levels, groundwater quality and an isotopic assessment, to determine whether the site can be developed without causing an adverse effect to off-site groundwater. New monitoring wells will be installed to provide adequate coverage of the site.
12	Appendix A-8	The scope of environmental studies can evolve over time. The Ministry may require further study beyond the scope outlined in the Work Plan should it be deemed necessary to protect ground water resources.	I recommend that Appendix A be augmented with a statement that acknowledges that additional study may be required, pending the outcome of the work that is already proposed.	Section 4.5 of the TOR notes that additional studies may be needed as the project progresses through the EA process. This notation applies to all Technical Work Plan Summaries in Appendix A.
Sarnia District Office – Tina Beckles, P.Eng., District Engineer				
13	Record of Consultation - Table 3:	PWS currently receives residential wastes from Chatham-Kent (Essex, Middlesex, Lambton and Elgin counties) and ICI sectors. PWS has plans to revise residential services at the site,	As suggested by Chatham-Kent Council, PWS needs to outline the current capacity of the landfill used for Toronto residential wastes, and outline how they plan on accepting residential waste from	PWS’s service area for ICI waste is currently all of Ontario and PWS is seeking the same service area for residential waste. PWS is currently permitted to receive residential

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	Summary of Public and Stakeholder Comments – Quantity and Source of Waste, p. 13	to begin receiving residential waste from all of Ontario. There is concern from local residents and Chatham-Kent Council that wastes will be received from Toronto and the GTA. Although PWS has stated that Toronto sends their wastes to another landfill, they have not specified what jurisdictions they are planning on accepting waste from, nor have they specified that Toronto and the GTA will not be one of them. By leaving this open for interpretation, community concerns remain valid, and should be addressed. In addition, what percentage of residential waste is anticipated to be accepted versus ICI wastes, with the planned expansion?	various municipalities. <i>(Response to MOECC's previous comment acknowledged.)</i>	waste from the specified municipalities but in fact only receives waste from Chatham-Kent. PWS does not take residential waste from Toronto. PWS is seeking an expansion of the service area for residential waste to accommodate future waste disposal needs identified for Southern Ontario to maximize use of the Ridge Landfill's annual capacity should ICI waste flows decrease as diversion increases, and to be in a position to help assist with emergency type situations. As noted in Table 3 of the Record of Consultation, PWS did receive some comments expressing concern that the expansion was going to facilitate taking Toronto/GTA waste. As noted in the response to the comment, While PWS could receive Toronto's residential waste with an "All of Ontario" designation PWS does not intend to take residential waste from the City of Toronto. Toronto residential waste is being disposed at the Green Lane Landfill with anticipated site life extended to 2040 (June 2, 2016 Staff Report). It is important to note that Chatham-Kent Council did not express concern with respect to the receipt of residential waste from Toronto/GTA. At the Ridge CLC meeting dated April 5, 2016 a member of Council attending that meeting mentioned there may

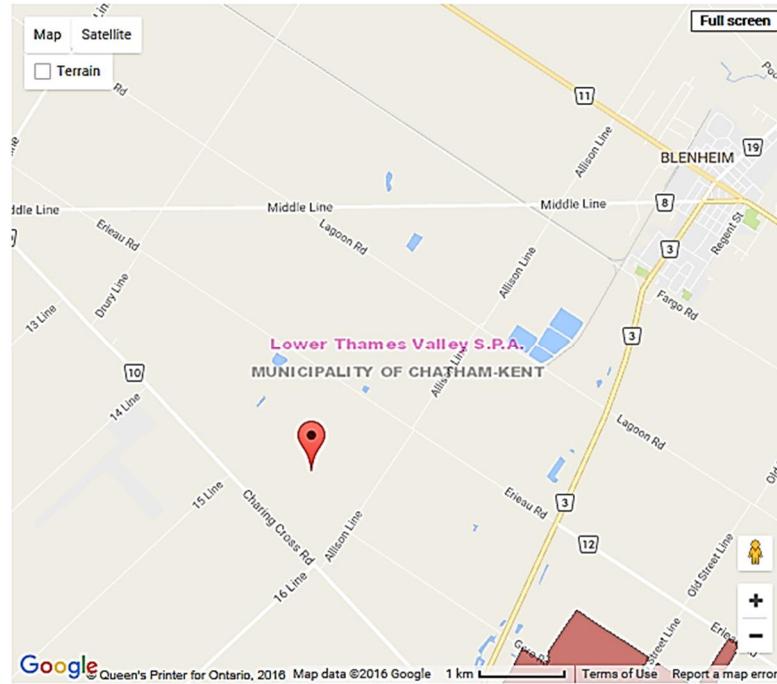
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				<p>be community push back. At a meeting dated March 30, 2016 with Chatham-Kent staff (not Council) a C-K staff member mentioned that C-K Council may take issue with the same. There is no specific resolution/directive by Council with respect to the receipt of waste from the Toronto/GTA. In an email dated July 26, 2016 from Rick Kucera of Chatham-Kent it was indicated the draft TOR had been reviewed internally by several staff and that there was no comment at that time.</p> <p>There is no current or planned capacity allocated for Toronto residential waste. A specific plan to receive residential wastes from any other municipalities cannot be developed. Receipt of these wastes will only occur through formal municipal procurement processes seeking disposal capacity and subsequent award to PWS from those bidding processes when and if they should occur.</p> <p>Additional response provided February 2017 Text was added to Section 3.3 to clarify that the final description of the proposed undertaking, including possible changes/modifications to the service area for residential waste, will be confirmed in the EA once alternatives have been considered and evaluated.</p>

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14	Terms of Reference – 5.1.1 Defining the “Alternatives To” – Alternative 4 – Expand the Existing Landfill with Enhanced Diversion, p. 32	Capacity will be reached in 2022; therefore, an expansion plan has been developed for 2022 to 2041. PWS indicates that they will continue to evaluate opportunities for additional waste diversion where viable; however, the timeframe for this evaluation is not prescribed.	It is suggested that PWS considers using a staged approach for evaluation; meaning after a specific amount of time, such as five (5) years and every five (5) years thereafter, the Ministry and PWS re-evaluate the preferred alternative, and determine what improvements can be made to better align with the Waste-Free Ontario Act, local waste diversion objectives and concerns within the community. This would ensure that continual evaluation was taking place in order to improve waste diversion, and not one evaluation for 20 years. <i>(Response to MOECC’s previous comment acknowledged.)</i>	As part of its business practice PWS continually reviews operations to determine any opportunities to increase the diversion of waste from landfill. In addition to ongoing operational reviews, PWS is responsive to client prescribed waste management needs and is positioned to respond to changes in provincial regulations that support increased waste diversion targets. PWS believes that this continuous approach will allow it to be more responsive to changing conditions than specifying specific time periods. PWS is committed to the diversion of waste from disposal and as such has included the following in the TOR: <ul style="list-style-type: none"> · A commitment to an expanded drop-off at the Ridge Landfill · A commitment to continued collaboration with the community of Chatham-Kent to support their waste diversion targets · An evaluation in the EA of alternative diversion systems to accommodate additional diversion opportunities.
15	Terms of Reference – Section 1.2 Site History and	The landfill property boundary is shown within the Terms of Reference. PWS owns approximately 340 ha of land west of Erieau Road. This land includes the 262 ha	Although a closure plan is not necessary for the Terms of Reference, it may be helpful to know what PWS plans to use the unused 78 ha of property for, if at all.	PWS has no plans beyond the prepared 20-year expansion; no plans after 2041. The unused 78 ha of property is subject property for the expansion and its use will be

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	Background, pg. 3	Landfill Site Area. Does PWS plan on expanding their landfill beyond the property boundary shown in the Terms of Reference after year 2041? There is no mention within the Terms of Reference regarding a closure plan or site expectations beyond 2041.	<i>(Response to MOECC's previous comment acknowledged.)</i>	determined based on the preferred alternative determined in the EA.
16	Terms of Reference – Section 2.2, Addressing Relevant Provincial Legislation, Plans and Strategies, pg. 8	The MOECC's vision is to protect the environment that sustains healthy ecosystems and prosperous, vibrant communities for all generations. Climate change; Sustainable Resource Use; and Clean Air, Water and Land are just a few of the Ministry's objectives. Although PWS mentions Climate Change within the Terms of Reference, it is still unclear on how they plan on reducing greenhouse gas emissions and will support a low-carbon economy, and for the interim, develop strategies to support surrounding municipalities.	Although PWS is a private corporation, and does not influence the wastes that are sent to landfill, they should discuss in more detail how they plan on supporting sustainable reuse of resources and support the reduction of greenhouse gas emissions. An outline should be drafted to discuss how PWS will evaluate waste diversion efforts such as: organic composting, landfill mining, accepting construction and demolition materials; and recycle new materials. There is no mention of how these programs and waste materials will be audited and assessed, to determine their effectiveness on GHG emissions. In addition, addressing the possible increased truck traffic to the site to support waste diversion measures. <i>(The following information from the previous MOECC comments still need to be addressed:</i> <i>An outline should be drafted to discuss how PWS will evaluate waste diversion efforts such as: organic composting, landfill mining, accepting construction and demolition materials; and recycle</i>	Section 5.2.1 of the Final TOR outlines how PWS plans to evaluate waste diversion systems in the EA. Three waste diversion systems are proposed to address future diversion opportunities such as organic waste composting or anaerobic digestion, C&D waste and new materials diversion. Alternative diversion systems will be assessed using the evaluation criteria set out in Table 1B in Appendix B of the Final TOR. These criteria consider potential truck traffic increases and in particular, include a criterion on the potential for increased greenhouse gas emissions along the haul route. The criteria for the evaluation will be refined through public consultation as part of the EA process. Landfill mining will be considered in the EA as outlined in Section 5.2.2 of the Final TOR. Overall truck traffic impact will be considered as part of a transportation assessment summarized in section 4.4.3.1 and described in more detail in Appendix A.

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			<p><i>new materials. There is no mention of how these programs and waste materials will be audited and assessed, to determine their effectiveness on GHG emissions (reduction).</i></p> <p><i>Proponent to clearly address how GHG emissions reduction (in addition to those related to truck traffic) are being evaluated.)</i></p>	<p>Additional response provided February 2017</p> <p>PWS will add “air quality and greenhouse gas emissions” as a criteria group for the evaluation of enhanced diversion system alternatives (Table 1B in the TOR) during the Draft EA stage of the project.</p>
17	Terms of Reference – Appendix A – Technical Work Plan Summaries - Socio-Economic Assessment, pg. A-10	<p>Although minimal complaints for odour have been received in the past, odour remains a community concern. Has an odour assessment been done at the landfill and at the neighbouring sewage treatment plant located 1.5km away? Are neighbours able to distinguish the difference in odours?</p> <p>Does the site have a best management practice for odour in place at the landfill?</p>	<p>Odour will be one of the technical studies that will be completed as part of the EA – Socio-Economic Assessment; however, details of what this will entail are not discussed and should be included. How does this study plan on assessing both on and off-site impacts?</p> <p>Landfill mining odour disruption has been accounted for evaluation purposes, but other waste diversion activities, such as composting, have not been discussed. All future waste diversion scenarios’ should be considered and evaluated within the odour assessment. In addition, odours from diesel emissions from increased truck traffic should also be considered.</p> <p><i>(Response to MOECC’s previous comment acknowledged.)</i></p>	<p>The air quality technical assessment work for this project will include an assessment of off-site odour for the preferred site development alternative. This work will include a review of past odour complaints at the site. Any odour complaints received by Chatham-Kent/MOECC regarding the sewage treatment plant will also be collected. In addition, as part of the social impact assessment, residents in the site vicinity will be asked about their experience with the existing landfill which would include any odour concerns. This assessment will characterize potential odour impacts resulting from the expansion as high, medium or low. Where necessary mitigation will be identified to minimize odour.</p> <p>It is noted that an odour assessment was completed as part of the Environmental Screening Report completed in 2011. This work concluded that odour emissions from the working face of the landfill have a localized impact on the surrounding environment. For local receptors, the maximum number of</p>

Comment #	Reference to ToR	Comments & Rationale	Proposed Action/Solution <i>(additional actions received in January/February 2017 provided in brackets and italics)</i>	Proponent Response Please describe in detail your response to address the comments/concern. Actions may include but not limited to: amendments to the document, additional information, proposed commitments, etc.).
				<p>exceedance events per year was less than the MOECC allowance. The recommendation from this work was to continue ongoing mitigation measures including capping cells when completed, application of daily cover, landfill gas collection and flaring. There is a 24 hour hotline number and PWS has a procedure in place for managing complaints received.</p> <p>Future waste diversion facilities that may be developed at the site will require their own approval, including an air quality impact assessment. Potential odour impacts/cumulative impacts will be evaluated at that time.</p>



Map 1. The red dot indicates the location of Ridge Landfill, in the Municipality of Chatham-Kent, using the source protection interactive mapping tool (SPIMT).

Table 1. SPIMT information results for **Map 1**.

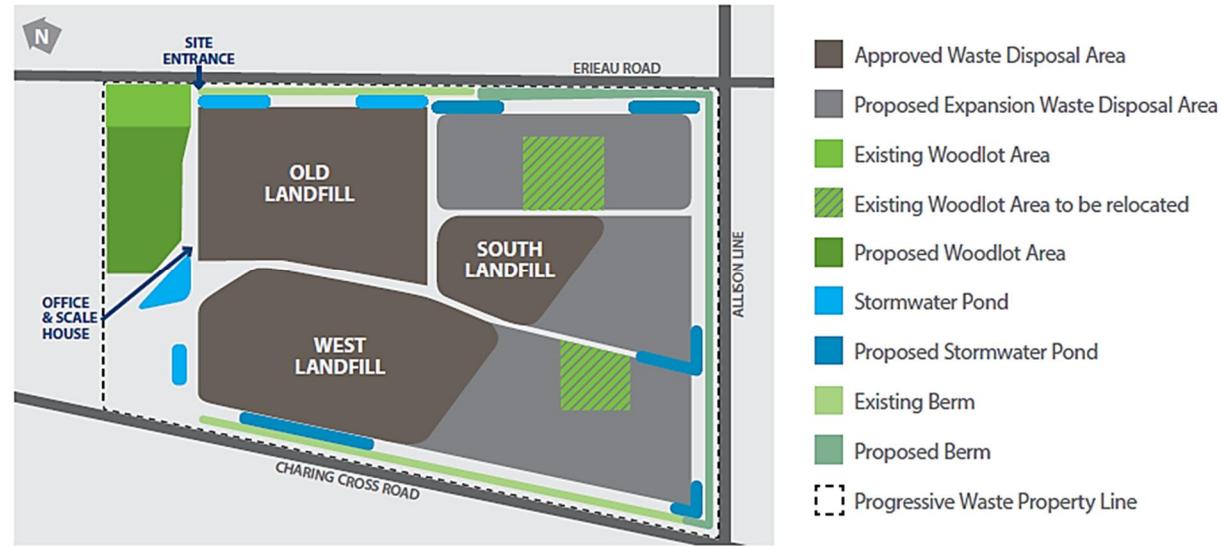
Location Information

Latitude: 42.308047 Longitude: -82.045011
UTM Zone: 17 Easting: 413873 Northing: 4684508
Upper Tier Municipality Name: N/A
Single and/or Lower Tier Municipality Name: MUNICIPALITY OF CHATHAM-KENT
Township, Concession and Lot: HARWICH CON 4 WEST OF COMMUNICATION ROAD, LOT 13
Assessment Roll Number: 36501400103600000000
MPAC Street Address: 20142 ERIEAU RD, MUNICIPALITY OF CHATHAM-KENT

Source Water Protection Details for Location

Source Protection Area: Lower Thames Valley
Intake Protection Zone: No
Wellhead Protection Area: No
WHPA E (GUDI): No
Issue Contributing Area: No
Significant Groundwater Recharge Area: No
Highly Vulnerable Aquifer: No
Event Based Area: No
To see if any land activities are restricted, check the policies in the source protection plan (links to external web page).
Information is current as of: 09-08-2016

Map of current site and potential expansion areas



Map 2. Map of the current Ridge Landfill and the potential expansion areas.

Ministry of Natural Resources and Forestry (MNRF) Comments

Proposal: FINAL Terms of Reference (ToR) for the Ridge Landfill Expansion Environmental Assessment
Proponent: Progressive Waste Solutions
Date: Comments received by PWS on January 10, 2017; Responses provided January 10, 2017

Comment #	Reference to ToR Provide the specific volume(s), section(s) and page number(s)	Comments & Rationale Please provide an explanation of your comments. Describe the rationale for why issue of concern is important for EA purposes. Identify if your issue of concern is related to the EA or related to regulatory instruments, or both.	Proposed Action/Solution Please describe in detail what action you recommended to address your comments/concerns. Actions may include but not limited to: amendments to the document, information requests, proposed commitments, future permits and approvals etc.)	Proponent Response Please describe in detail your response to address the comments/concern. Actions may include but not limited to : amendments to the document, additional information, proposed commitments, etc.
1	6.1.4, Summary of Issues and Concerns, page number 53	<p>Issue related to regulatory process policy.</p> <p>As currently stated in the TOR, <i>It was suggested that if changes to the woodlots are proposed that Endangered Species Act permits should be in place prior to the Official Plan amendment</i></p> <p>While MNRF does recommend that the planning process and the Endangered Species Act approvals process proceed in tandem, MNRF requires final zoning and land use designations to be in place prior to the issuance of an Endangered Species Act Overall Benefit Permit.</p> <p>Section 2.1.7 of the 2014 PPS states, <i>“Development and site alteration shall not be permitted in habitat of endangered species and threatened species, except in accordance with provincial and federal requirements.”</i> MNRF’s Overall Benefit permitting process requires finalized design and site plans. If the proponent can demonstrate that their Planning Act application and Endangered Species Act Overall Benefit Permit application share the same finalized design plans, the municipality can demonstrate that the Planning Act application is in accordance with 2.1.7 of the PPS, 2014.</p>	<p>MNRF suggests removing the identified sentence and replacing it with, <i>that if changes to the woodlots are proposed that require Endangered Species Act permits, an Official Plan amendment should be in place prior to the issuance of an Endangered Species Act permit.</i></p> <p>A submitted Endangered Species Act (ESA) permit application should demonstrate that the Planning Act application is in compliance with PPS 2.1.7. Finalizing an Official Plan amendment prior to the issuance of an ESA permit will avoid potential challenges and delays in the permitting process, should a permit be required to allow for changes to the woodlots.</p>	<p>PWS has been in contact with the MNRF to discuss potential ESA permitting requirements associated with the proposed removal of the SE woodlot. Should this be required as part of the detailed site development design of the landfill expansion, PWS will apply for a permit under Section 17(2)(c) [Overall Benefit] of the ESA.</p> <p>PWS has also been in contact with the Municipality of Chatham-Kent about the timing of planning approvals associated with the proposed expansion (i.e., Official Plan Amendments). PWS understands that Planning Act approvals will need to be in place or underway prior to the MNRF issuing a fully executed Section 17(2)(c) [Overall Benefit] permit.</p> <p>We will adjust the sentence in the ToR to reflect what has been proposed by the MNRF reviewer.</p>

Please return this table in both PDF and Word formats.

MTO Comments Received - Ridge Landfill Terms of Reference

Comment and Rationale	Response
<i>Ministry of Transportation</i>	
<p>MTO requests that PWS identify in the Individual Environmental Assessment an alternate haul route (utilizing another Highway 401 interchange).</p> <ul style="list-style-type: none"> • An alternate haul route is needed in the event MTO must undertake future improvements at the Highway 401/Highway 40 interchange, which would impede or prevent waste haulers from using the existing approved haul route (such as the full closure of the interchange and/or ramps). • This alternate haul route should be able to handle the waste hauler traffic for long periods of time (such as up to 1 year). • The alternate haul route would only be used as a back-up, in the event the existing designated haul route cannot be utilized. • The traffic studies to be conducted as part of the EA should include a traffic impact study for MTO Traffic Section to review the impacts that both the existing haul route and the alternate haul route may have on MTO Highway 401 interchanges. • In addition, as part of identifying an alternate haul route in the EA process, PWS must obtain any necessary Municipality of Chatham-Kent or provincial approvals, Environmental Compliance Approvals. <p>MTO is requesting that an alternate haul route be identified as part of the landfill expansion EA process because, during the</p>	<p>Alternative haul routes were evaluated and Highway 40 was identified as the preferred haul route as part of the Ridge Landfill 1997 EA process. This process was subject to review and comment from the public and the municipality of Chatham-Kent. In the 20 years since 1997 there has been no need for an alternate haul route.</p> <p>As part of the MTO's own recent EA process required to support the interchange reconstruction, MTO evaluated and designated a temporary route to be used during the closure. In effect the process MTO is requesting of PWS at this time has already been undertaken. It was determined by MTO after much consultation as part of their class EA (including consultation with PWS and Chatham-Kent) that the most logical alternative route utilizes the Bloomfield Road/401 interchange. MTO determined that while the 401/Highway 40 interchange is closed it would be most effective for landfill truck traffic to proceed south on Bloomfield Road to Middle Line, easterly on Middle Line to Erieau Road and southerly on Erieau Road to the landfill entrance. This was approved and supported with by-law amendments by Chatham-Kent.</p> <p>The interchange will be re-opened long before this EA process is complete. Given the significant work being undertaken by MTO at the Highway 401/Highway 40 interchange in 2017 it is unlikely that there would be a subsequent need for a closure of the interchange in the</p>

Comment and Rationale	Response
<p>design and MTO Class Environmental Assessment process for improvements to the Highway 401/Highway 40 (Communication Rd) interchange, MTO had to establish a temporary alternate route that PWS could use when the interchange was closed during construction. The temporary alternate route uses the Highway 401/Bloomfield Rd interchange and required MTO to undertake extensive consultation with the Municipality of Chatham-Kent. MTO also had to make improvements to some of the intersections along the temporary route, including obtaining property, in order to accommodate the waste hauler traffic. In addition, MTO received many public enquiries and comments as well as a bump-up request related to the temporary haul route, all of which delayed the construction of the Highway 401/Highway 40 interchange improvements. Putting the onus on MTO to establish an alternate haul route for PWS to use is not reasonable and in the future, the onus should be on the landfill operator (PWS) to have an approved alternate haul route.</p>	<p>future 20 year life of an expanded Ridge Landfill.</p> <p>The planned intersection closure will see a re-routing of landfill bound traffic to Bloomfield Road. The planned use of the Bloomfield Road as a temporary alternative route is further supported by the fact that as a part of the Highway 401/Highway 40 reconstruction project MTO has agreed to improvements to that route including but not limited to intersection improvements such as shoulder strengthening and radius improvements including pavement widening and some pavement rehabilitation. The MTO has agreed as part of their Class EA to further repair wear and tear associated with a prolonged use of that alternative route.</p> <p>It is our opinion that the MTO interchange reconstruction project and the need for and creation of an alternative haul route resulting from this reconstruction is a distinct and separate matter to the expansion of the Ridge Landfill.</p>
<p><i>Additional comment received January 24, 2017 (via email) -</i> MTO's position is that PWS' response does not adequately address MTO's comments. MTO anticipates that over the next 20 years there may be a need to undertake maintenance/repairs/reconstruction of Highway 401 at the Highway 40 interchange as part of providing a safe, reliable and sustainable highway system. This may require temporary closures of some or all of the ramps at the interchange, which would impact PWS' ability to utilize their approved haul route. MTO's position is that PWS should identify in their EA and obtain all necessary approvals for PWS to use an alternate haul</p>	<p><i>Additional response provided February 2017 (subsequent to meeting held with MTO, MOECC and PWS on February 2, 2017) -</i></p> <p>The following was clarified at the meeting held with MTO, MOECC and PWS on February 2, 2017:</p> <ul style="list-style-type: none"> When MOECC gets applications for new (i.e., greenfield) landfills, they require proponents to look at alternative haul routes (i.e., haul route options) as a means of considering the potential impacts of the undertaking with the objective being to identify the

Comment and Rationale

route connecting at another Highway 401 interchange to address access when MTO must undertake work that requires temporary closure at the Highway 40 interchange. The onus should be on PWS to secure an approved alternate haul route.

Response

preferred haul route. This is not typically required for a landfill expansion where a preferred haul route is already approved, such as is the case with the Ridge Landfill.

- There is no requirement for proponents to designate an alternate haul route as part of their assessment. The rationale behind this is that the preferred haul route would have been evaluated as having the least overall impact to the environment as a result of the undertaking.
- For the Ridge Landfill, PWS is only seeking approval for an expansion of the landfill. Since an identified haul route already exists, no consideration of alternative haul routes is required in the EA.
- The need for a temporary haul route in this case is the result of MTO's work and not due to PWS' EA to expand the life of the facility. Defining a temporary haul route is outside the scope of what PWS is seeking approval for from the Ministry. Discussions related to the temporary haul route could take place between MTO, PWS and Chatham-Kent but these would be outside of the Ridge Expansion EA process.

PWS commits to continuing to consult with MTO on the Ridge Landfill Expansion EA and in particular on the planned traffic study (as summarized in the ToR).

**Ministry of the Environment
and Climate Change**

Environmental Approvals
Branch

135 St. Clair Avenue West
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Toronto ON M4V 1P5
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**Ministère de l'Environnement et
de l'Action en matière de
changement climatique**

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135, avenue St. Clair Ouest
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Tél : 416 314-8001
Télec. : 416 314-8452



November 29, 2016

Jerome Woynarski, Plant Manager
759 Wellington St.
Dresden, ON
N0P 1M0

Dear Mr. Woynarski:

Thank you for your letter of support dated November 28, 2016 on behalf of ConAgra Foods Canada regarding Progressive Waste Solutions' proposed Terms of Reference for the Ridge Landfill Environmental Assessment project.

The Minister will be making his decision on the Terms of Reference in the near future. Your name has been placed on the mailing list for all subsequent notices or orders associated with this project.

Thank you for your interest in this Environmental Assessment.

Sincerely,

A handwritten signature in black ink, appearing to read "Cindy Batista", with a long horizontal flourish extending to the right.

Cindy Batista
Special Project Officer
Environmental Approvals Branch

c: EA File No. 03-08-02 Ridge Landfill Expansion Project

December 8, 2016

Ms. Cindy Batista,
Special Project Officer
Ministry of Environment and Climate Change
Environmental Approvals Branch
135 St. Clair Avenue West, 1st Floor
Toronto, ON, M4V 1P5
Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

I'm writing on behalf of Dajcor Aluminum Ltd to provide our support for the Ridge Landfill. Dajcor is a local business that relies on Progressive Waste Solutions for waste collection and disposal services. Having a long-term secure disposal option is important to maintaining our competitiveness. We employ 158 local persons who live in the community. The Ridge Landfill is an important part of the Chatham-Kent economy and a contributor to the socio-economic fabric of the community.

Sincerely,

Scott Barnes
Dajcor Aluminum Ltd
155 Irwin Street
Chatham, Ontario
N7M 0N5

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and Climate Change**

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Télec. : 416 314-8452



December 14, 2016

Scott Barnes
Dajcor Aluminum Ltd.
155 Irwin Street
Chatham, ON
N7M 0N5
Email: scott.barnes@dajcor.com

Dear Mr. Barnes:

Thank you for your letter of support dated December 8, 2016 on behalf of Dajcor Aluminum Ltd. regarding Progressive Waste Solutions' proposed Terms of Reference for the Ridge Landfill Environmental Assessment project.

The Minister will be making his decision on the Terms of Reference in the near future. Your name has been placed on the mailing list for all subsequent notices or orders associated with this project.

Thank you for your interest in this Environmental Assessment.

Sincerely,

A handwritten signature in black ink, appearing to read "Cindy Batista", with a long horizontal flourish extending to the right.

Cindy Batista
Special Project Officer
Environmental Approvals Branch

c: EA File No. 03-08-02 Ridge Landfill Expansion Project

**Ministry of the Environment
and Climate Change**

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Télec. : 416 314-8452



December 1, 2016

Debbie Franklin, Executive Assistant
Greenfield Specialty Alcohols Inc.
540 Park Ave. East
Chatham, ON
N7M 5J4

Dear Ms. Franklin:

Thank you for your letter of support dated December 1, 2016 on behalf of GreenField Specialty Alcohols Inc. regarding Progressive Waste Solutions' proposed Terms of Reference for the Ridge Landfill Environmental Assessment project.

The Minister will be making his decision on the Terms of Reference in the near future. Your name has been placed on the mailing list for all subsequent notices or orders associated with this project.

Thank you for your interest in this Environmental Assessment.

Sincerely,

A handwritten signature in black ink, appearing to read "Cindy Batista".

Cindy Batista
Special Project Officer
Environmental Approvals Branch

c: EA File No. 03-08-02 Ridge Landfill Expansion Project

**Ministry of the Environment
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Télec. : 416 314-8452



December 13, 2016

Paul Card, President
Battery Boy Starter & Alternator Ltd
131 Park Ave East
Chatham, ON
N7L 3V7

Dear Mr. Card:

Thank you for your letter of support dated December 9, 2016 on behalf of Battery Boy starter & Alternator Ltd. regarding Progressive Waste Solutions' proposed Terms of Reference for the Ridge Landfill Environmental Assessment project.

The Minister will be making his decision on the Terms of Reference in the near future. Your name has been placed on the mailing list for all subsequent notices or orders associated with this project.

Thank you for your interest in this Environmental Assessment.

Sincerely,

A handwritten signature in black ink, appearing to read "Cindy Batista".

Cindy Batista
Special Project Officer
Environmental Approvals Branch

c: EA File No. 03-08-02 Ridge Landfill Expansion Project

December 9, 2016

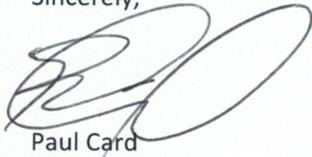
Ms. Cindy Batista,
Special Project Officer
Ministry of Environment and Climate Change
Environmental Approvals Branch
135 St. Clair Avenue West, 1st Floor
Toronto, ON, M4V 1P5
Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

As a supplier to the Ridge Landfill, I'm writing to provide Battery Boy's support for the Ridge Landfill as it seeks approval to proceed with an Environmental Assessment for its proposed expansion of the landfill.

Battery Boy is a local business that provides batteries to the Ridge Landfill and employs 5 people who live in the local community. The Ridge Landfill is an important part of our customer base. We hope to continue to supply the Ridge with our services for years to come.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Card', with a large, stylized flourish extending from the end of the signature.

Paul Card
President
Battery Boy Starter & Alternator Ltd.

**Ministry of the Environment
and Climate Change**

Environmental Approvals
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Toronto ON M4V 1P5
Tél : 416 314-8001
Télec. : 416 314-8452



December 13, 2016

Gaele Mifflin, President
Blenheim & Community Senior Citizens Group
55 Jane Street
Blenheim, ON
N0P 1A0
P.O. Box 1621
Email: blenheim55@gmail.com

Dear Ms. Mifflin:

Thank you for your letter of support dated December 13, 2016 on behalf of the Blenheim & Community Senior Citizens Group regarding Progressive Waste Solutions' proposed Terms of Reference for the Ridge Landfill Environmental Assessment project.

The Minister will be making his decision on the Terms of Reference in the near future. Your name has been placed on the mailing list for all subsequent notices or orders associated with this project.

Thank you for your interest in this Environmental Assessment.

Sincerely,

A handwritten signature in black ink, appearing to read "Cindy Batista", with a long horizontal flourish extending to the right.

Cindy Batista
Special Project Officer
Environmental Approvals Branch

c: EA File No. 03-08-02 Ridge Landfill Expansion Project

Blenheim & Community Senior Citizens Group

519-676-3894

55 Jane Street, Box 1621 Blenheim On N0P 1A0

December 13, 2016

Ms. Cindy Batista,
Special Project Officer
Ministry of Environment and Climate Change
Environmental Approvals Branch
135 St. Clair Avenue West, 1st Floor
Toronto, ON, M4V 1P5
Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

On behalf of the Blenheim Seniors' Centre, I'm writing to provide our support for Progressive Waste Solutions as it seeks approval to proceed with an Environmental Assessment for its proposed expansion of the Ridge Landfill.

Through the Ridge Landfill Trust, close to \$1 million has been contributed to the building of the new Seniors Centre facility in downtown Blenheim which now boasts a membership of over 600 persons — a 100% increase in 2016 alone. The Centre is a very important facility in our community in that it provides numerous programs and services to residents. We consider Progressive Waste Solutions an exemplary contributor to the socioeconomic vitality of the broader community.

Sincerely,

Gaele Mifflin

Gaele Mifflin
President

December 1/2016

Ms. Cindy Batista,

Special Project Officer

Ministry of Environment and Climate Change

Environmental Approvals Branch

135 St. Clair Avenue West, 1st Floor

Toronto, ON, M4V 1P5

Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

As an employee of Progressive Waste Solutions, I'm writing to provide my support for the company as it seeks approval to proceed with an Environmental Assessment for its proposed expansion of the Ridge Landfill. As one of approximately 60 persons who is employed by Progressive Waste Solutions in Chatham Kent, we are proud to be a leading environmental services company in Ontario and being an important contributor to the socioeconomic vitality of the Municipality of Chatham Kent.



Sincerely,

December 1/2016

Ms. Cindy Batista,

Special Project Officer

Ministry of Environment and Climate Change

Environmental Approvals Branch

135 St. Clair Avenue West, 1st Floor

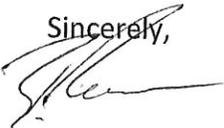
Toronto, ON, M4V 1P5

Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

As an employee of Progressive Waste Solutions, I'm writing to provide my support for the company as it seeks approval to proceed with an Environmental Assessment for its proposed expansion of the Ridge Landfill. As one of approximately 60 persons who is employed by Progressive Waste Solutions in Chatham Kent, we are proud to be a leading environmental services company in Ontario and being an important contributor to the socioeconomic vitality of the Municipality of Chatham Kent.

Sincerely,

A handwritten signature in black ink, appearing to be 'J. [unclear]', written over the word 'Sincerely,'.

December 1/2016

Ms. Cindy Batista,

Special Project Officer

Ministry of Environment and Climate Change

Environmental Approvals Branch

135 St. Clair Avenue West, 1st Floor

Toronto, ON, M4V 1P5

Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

As an employee of Progressive Waste Solutions, I'm writing to provide my support for the company as it seeks approval to proceed with an Environmental Assessment for its proposed expansion of the Ridge Landfill. As one of approximately 60 persons who is employed by Progressive Waste Solutions in Chatham Kent, we are proud to be a leading environmental services company in Ontario and being an important contributor to the socioeconomic vitality of the Municipality of Chatham Kent.

Sincerely, *TERRY Protopapas*

A handwritten signature in black ink, appearing to read 'Terry Protopapas', written over a horizontal line.

December 1/2016

Ms. Cindy Batista,
Special Project Officer
Ministry of Environment and Climate Change
Environmental Approvals Branch
135 St. Clair Avenue West, 1st Floor
Toronto, ON, M4V 1P5
Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

As an employee of Progressive Waste Solutions, I'm writing to provide my support for the company as it seeks approval to proceed with an Environmental Assessment for its proposed expansion of the Ridge Landfill. As one of approximately 60 persons who is employed by Progressive Waste Solutions in Chatham Kent, we are proud to be a leading environmental services company in Ontario and being an important contributor to the socioeconomic vitality of the Municipality of Chatham Kent.

Sincerely,

Chase Uone

December 1/2016

Ms. Cindy Batista,
Special Project Officer
Ministry of Environment and Climate Change
Environmental Approvals Branch
135 St. Clair Avenue West, 1st Floor
Toronto, ON, M4V 1P5
Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

As an employee of Progressive Waste Solutions, I'm writing to provide my support for the company as it seeks approval to proceed with an Environmental Assessment for its proposed expansion of the Ridge Landfill. As one of approximately 60 persons who is employed by Progressive Waste Solutions in Chatham Kent, we are proud to be a leading environmental services company in Ontario and being an important contributor to the socioeconomic vitality of the Municipality of Chatham Kent.

A handwritten signature in cursive script that reads "Tim Randall".

Sincerely,

December 1/2016

Ms. Cindy Batista,

Special Project Officer

Ministry of Environment and Climate Change

Environmental Approvals Branch

135 St. Clair Avenue West, 1st Floor

Toronto, ON, M4V 1P5

Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

As an employee of Progressive Waste Solutions, I'm writing to provide my support for the company as it seeks approval to proceed with an Environmental Assessment for its proposed expansion of the Ridge Landfill. As one of approximately 60 persons who is employed by Progressive Waste Solutions in Chatham Kent, we are proud to be a leading environmental services company in Ontario and being an important contributor to the socioeconomic vitality of the Municipality of Chatham Kent.

Sincerely,

Andrew McFadden

December 1/2016

Ms. Cindy Batista,
Special Project Officer
Ministry of Environment and Climate Change
Environmental Approvals Branch
135 St. Clair Avenue West, 1st Floor
Toronto, ON, M4V 1P5
Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

As an employee of Progressive Waste Solutions, I'm writing to provide my support for the company as it seeks approval to proceed with an Environmental Assessment for its proposed expansion of the Ridge Landfill. As one of approximately 60 persons who is employed by Progressive Waste Solutions in Chatham Kent, we are proud to be a leading environmental services company in Ontario and being an important contributor to the socioeconomic vitality of the Municipality of Chatham Kent.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Cooper". The signature is written in a cursive style and is positioned to the right of the word "Sincerely,".

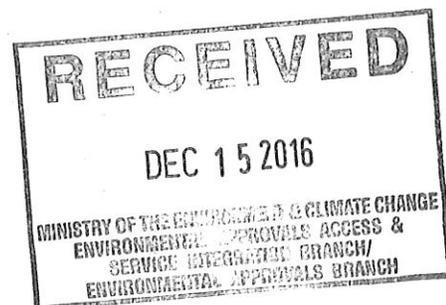
December 1/2016

Ms. Cindy Batista,
Special Project Officer
Ministry of Environment and Climate Change
Environmental Approvals Branch
135 St. Clair Avenue West, 1st Floor
Toronto, ON, M4V 1P5
Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

As an employee of Progressive Waste Solutions, I'm writing to provide my support for the company as it seeks approval to proceed with an Environmental Assessment for its proposed expansion of the Ridge Landfill. As one of approximately 60 persons who is employed by Progressive Waste Solutions in Chatham Kent, we are proud to be a leading environmental services company in Ontario and being an important contributor to the socioeconomic vitality of the Municipality of Chatham Kent.

Sincerely,



December 1/2016

Ms. Cindy Batista,

Special Project Officer

Ministry of Environment and Climate Change

Environmental Approvals Branch

135 St. Clair Avenue West, 1st Floor

Toronto, ON, M4V 1P5

Email: Cindy.Batista@ontario.ca

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Sincerely,

A handwritten signature in cursive script, appearing to read "Dan Russell".

December 1/2016

Ms. Cindy Batista,

Special Project Officer

Ministry of Environment and Climate Change

Environmental Approvals Branch

135 St. Clair Avenue West, 1st Floor

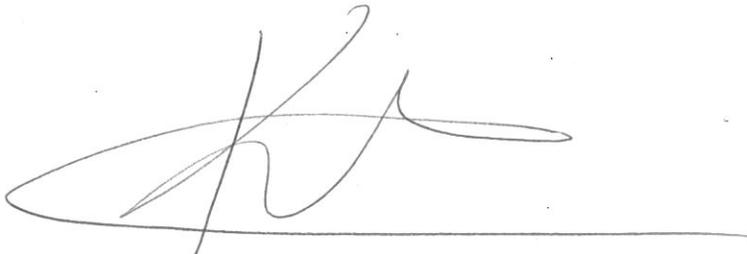
Toronto, ON, M4V 1P5

Email: Cindy.Batista@ontario.ca

Dear Ms. Batista,

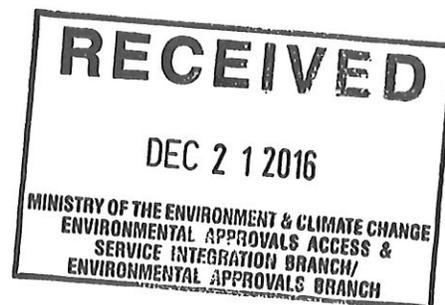
As an employee of Progressive Waste Solutions, I'm writing to provide my support for the company as it seeks approval to proceed with an Environmental Assessment for its proposed expansion of the Ridge Landfill. As one of approximately 60 persons who is employed by Progressive Waste Solutions in Chatham Kent, we are proud to be a leading environmental services company in Ontario and being an important contributor to the socioeconomic vitality of the Municipality of Chatham Kent.

Sincerely,

A handwritten signature in black ink, consisting of a large, stylized initial 'K' followed by a horizontal line extending to the right.

2016-12-13

Ms. Cindy Batista,
Special Project Officer
Ministry of Environment and Climate Change
Environmental Approvals Branch
135 St. Clair Avenue West, 1st Floor
Toronto, ON, M4V 1P5
Email: Cindy.Batista@ontario.ca



Dear Ms. Batista,

On behalf of the Blenheim Business Improvement Association, I would like to lend our support for Progressive Waste Solutions and its Ridge Landfill. The Ridge Landfill has been long-time business and employer in the community of Blenheim.

In addition to its economic contribution to our local economy, it has been a supporter of many projects that have strengthened the social vitality of Blenheim. We hope the company can continue to operate and help our community prosper.

Sincerely,

A handwritten signature in cursive script, appearing to read "Marc Eskritt".

Marc Eskritt
Chair



December 18, 2016

Via: Email

Dean Jacobs
Consultation Manager
Walpole Island Heritage
RR 3
Wallaceburg ON N8A 4K9

Dear Mr. Jacobs:

Re: Environmental Review of Ridge Landfill Terms of Reference
MOECC File Number: 30-08-02
Project No.: 300040044.0000

Neegan Burnside Ltd. (Neegan Burnside) was retained by Walpole Island First Nation (WIFN) to provide assistance regarding the review of the Terms of Reference for the Environmental Assessment (EA) for the proposed Ridge Landfill Expansion in the Municipality of Chatham-Kent. This current letter consists of a review of the following documents:

- Terms of Reference (November 2016), with accompanying Technical Work Plan Summaries, prepared by Dillon Consulting
- Record of Consultation (November 2016)

A site visit was undertaken on December 14, 2016 by representatives from WIFN and Neegan Burnside. WIFN also had representatives attend the Open House on June 28, 2016.

The objective of this stage of review is to assess whether the Terms of Reference (TOR) is consistent with best practices and is reasonable in terms of the objectives trying to be achieved.

Our review is summarized in the sections which follow:

1.0 General Comments on Terms of Reference

The following are general comments on the TOR:

- On page 50 of the TOR, under Indigenous Communities Engagement, the proponent states;

After a thorough review, it has been determined that the Project falls within the McKee Treaty (1790) and all claims by area First Nations have either been dealt with or have been surrendered at the time of treaty signing. The existence of a Métis claim of rights in southwestern Ontario has not met with any success in the courts.

This infers that no additional engagement is required. However, the existing landfill and expansion area are located within the Traditional Territory of the WIFN. Within its Traditional Territory, WIFN asserts the rights to hunt, fish and trap, to harvest plants for food and medicine, to protect and honour burial sites and other sacred and culturally significant sites, to sustain and strengthen its spiritual and cultural connection to the land, to protect the Environment that supports its survival, to govern itself, and to participate in all governance and operational decisions about how the land and resources will be managed, used and protected (WIFN Consultation and Accommodation Protocol). First Nation consultation is a legal requirement and does not just apply to treaty and land claims resolution. We recommend that this paragraph be removed.

- Table 6 indicates that during the EA, Indigenous communities will be consulted through letters which will be sent at key points in the project. WIFN is often inundated with large quantities of correspondence. Each letter should be followed-up with phone calls at a minimum to ensure that the correspondence has been received. It is recommended that the proponent refer to the WIFN Consultation and Accommodation Protocol and follow its guidelines. The TOR should include documentation to indicate that the Protocol will be followed.
- The Site Plan shown in the TOR is very conceptual, and a better plan showing topography, well location and overall features would assist a reader in understanding the site.
- The landfill currently receives waste from the industrial, commercial and institutional sectors from across southern Ontario. It receives residential waste from the Municipality of Chatham-Kent and Counties of Essex, Lambton, Middlesex and Elgin. However, the plan indicates that the intention is to expand the receiving area of residential waste to all of southern Ontario. Progressive has indicated that they do not intend to receive waste from large cities such as Toronto or London. However, by identifying all of southern Ontario as a receiving area, they do open up that possibility. Please provide clarification as to why all of southern Ontario is included.
- How will the cumulative effects assessment be undertaken? A general methodology should be provided.

2.0 Work Plan Review

Neegan Burnside has reviewed the TOR, Consultation Record and Technical Work Plan Summaries. Our comments are intended to identify any potential impacts to WIFN's Aboriginal Rights, as well as the community's intent to participate in resource management decisions within its Traditional Territory, so as to preserve and protect natural resources for future generations. It is generally our procedure to assemble an equivalent team to the proponent to review each component and comment with respect to work plans and conclusions. The TOR and the work plans outlined in Appendix B were distributed to the various technical disciplines. These are their comments:

2.1.1 Agriculture

We have no comments on this work plan. Please see comments under Surface Water regarding Municipal drains.

2.1.2 Air Quality

There is no mention of odour in the Air Quality portion of the work plan. It is mentioned in other places in the document (e.g., Socio-Economic work plan) but should be included in the Air Quality portion of the plan.

2.1.3 Cultural Resources and Archaeology

WIFN will provide comments once the Stage 1 Archeological assessment has been completed and will also request a meeting with the archeologist.

2.1.4 Aviation

The work plans set out in the TOR for the Aviation and Bird Hazard Assessment are generally adequate. However it should be noted that, regardless of Ridge Landfill's current zoning exemption (i.e., lands around the airport are zoned for obstruction clearances and bird hazard protection under the Aeronautics Act, 1985), the following must be considered to determine what enhancements may be required to the existing bird hazard assessment and control plan to allow for an extension of this exemption:

- Using the Appendix B (Airport Bird Hazard Risk-Assessment Process) of the Airport Wildlife Management Bulletin No. 38 (Transport Canada, Fall 2007), and given that the Chatham-Kent Municipal Airport is capable of accommodating commercial aircraft, the Ridge Landfill falls within the "Primary Bird Hazard Zone", "Category B Event Zone", and "Secondary Bird Hazard Zone". Bird Hazard Zones must be plotted. Given that Ridge Landfill is a putrescible waste landfill, it is classified as a High-Risk land-use. The following statement applies: "high-risk land-use, in particular, must be aggressively managed [and mitigated] to reduce safety risks to aircraft operations" (Transport Canada, Fall 2007). Therefore, since this land-use is deemed "inappropriate" by Transport Canada standards, risks associated with the expansion of the Ridge Landfill must be actively mitigated and regularly evaluated/modified when required.
- Table 2 in Appendix B of the Airport Wildlife Management Bulletin No. 38 (Transport Canada, Fall 2007) should be reviewed to determine the level of risk associated with species of bird typically found in the vicinity of the Airport. Typical flight paths of birds that are frequently present in the vicinity of the airport should be assessed to help determine specific mitigation measures. Particularly, birds frequently flying below 1,500 feet AGL (above ground-level) should be given priority, since the critical phases of aircraft flights occur within this altitude (i.e., takeoff, initial climb, landing, approach and missed approach).
- In order to determine specific mitigation measures to minimize hazards, the following documents should be referenced (available online):
 - a) Safety Above All – A coordinated approach to airport-vicinity wildlife management (Transport Canada, 2012).
 - b) TP 13029 – Evaluation of the Efficacy of Products and Techniques for Airport Bird Control (Transport Canada, 1998).
 - c) TP 11500 E – Wildlife Control Procedures Manual (Transport Canada, 2002).

- d) TP 13549 E – Sharing the Skies – An Aviation Industry Guide to the Management of Wildlife Hazards (Transport Canada).
- e) TP 1247 E – Land Use in the Vicinity of Aerodromes Ninth Edition (Transport Canada, 2013).

2.1.5 Biology

With respect to the Biology work plan, we note the following:

1. It is noted that 15 Endangered or Threatened species have the potential to be present. The actual species should be listed so it can be determined whether the proposed surveys are appropriate and sufficient to address each species and that appropriate protocols for data collection are followed.
2. Species specific survey protocols should be identified including the reviewing agency, the name of the protocol, survey methods, timing, in field conditions required for surveys, etc., e.g. Ecological Land Classification (1998 Lee, H., et. al.), Breeding Bird surveys (Bird Studies Canada) and wetland identification and delineation (Ontario Wetland Evaluation System – MNRF).
3. We recommend that the significance of each natural feature (as identified in the Provincial Policy Statement 2014, Section 2.1) in the on- and off-site study areas be determined using provincial criteria (including the Significant Wildlife Habitat Ecoregion 7E Criteria Schedule (MNRF, 2015), as well as local criteria (e.g., local Official Plan).
4. WIFN staff may wish to participate in ecological survey work. The TOR should indicate that WIFN staff will be contacted and given the opportunity to participate.
5. Table 3: “Alternatives To Evaluation Criteria for Potential Impacts to the Natural Environment” is very general. The Criteria includes “potential for impact on natural features and potential for impacts on groundwater, surface water and air quality”. This should be expanded to include “Potential impacts to plant species and communities, wildlife species and populations, wildlife habitat and Species at Risk (SAR). Current criteria ignore wildlife”.
6. The proposed criteria that will be used to evaluate the various Alternative Methods for landfill expansion should also include:
 - Potential loss of habitat of Endangered and Threatened species; and,
 - Potential loss of medicinal or other culturally sensitive species of importance to First Nations groups such as WIFN.
7. Compensation should be established early in the process. Conversations are needed to assess the appropriate ratios, and plans presented in the ToR (Figure 12) may be inadequate in terms of compensation areas. Offsite mitigation areas could be used if necessary.

2.1.6 Bird Hazard Assessment

Additional details should be provided with respect to the survey protocols, time of year, time of day, survey locations, etc. How will bird hazards be assessed (i.e., what criteria/guidelines will be used to determine whether a bird hazard exists)? How will the results be presented?

2.1.7 Design and Operations Plan

Figure 12 of the TOR indicates 3 possible landfill configurations. However during the site visit it was indicated that the solution may involve a combination of these configurations (e.g., A and B, or B and C). This is not clearly explained in the document. Please clarify which options would be evaluated.

It should be noted that designs should be developed to existing standards. Grandfathering of a methodology, or saying that this is acceptable because it is how it was always done, is not appropriate.

It is assumed that the site development will involve new stormwater ditches and surface water ponds, and these should be developed to a conceptual level such that any impacts can be assessed.

2.1.8 Geology/Hydrogeology

With respect to the Geological and Hydrogeological Work Plans, we make the following comments:

- A current site plan showing the existing groundwater and surface water monitoring network should be added to the Work Plan.
- Water levels are to be measured in the proposed new monitoring wells. An indication of frequency and duration of the monitoring should be added to the Work Plan.
- The Impact assessment analysis should include preparation of to-scale technical cross-sections that show the relationship between the geology, the waste, the leachate collection system, surface water features and the monitoring network.
- The impact assessment should include a thorough outline of the current monitoring and evaluation of the historical monitoring data.

2.1.9 Noise

The Noise Work Plan as currently outlined is adequate.

2.1.10 Socio-Economic

- It is stated that information will be collected concerning the use and enjoyment of residential properties and potential effects to businesses. It should be stated how this information will be collected (e.g., door-to-door survey). Standards should be stated (i.e., what will be considered a statistically valid sample?). Will all properties within the 1 km radius and along the haul route be included?
- How will any changes in property values be determined?

2.1.11 Surface Water

- Additional details about the water sampling protocol would be helpful, including the timing, number of samples, preliminary location of sampling stations, equipment to be used, etc.

- WIFN staff may wish to participate in the surface water sampling work. The TOR should indicate that WIFN staff will be contacted and given the opportunity to participate.
- The Surface Water Work Plan should address the on-site drains in regards to the Drainage Act.
- It should be confirmed if the on-site drains are Municipal Drains under the Drainage Act. If they are, any changes to location, width or depth must be made under Section 78 of the Act. The design capacity will have to be considered if site development alters the stormwater input.

2.1.12 Transportation

The work plans set out in the TOR for the Transportation Analysis are generally adequate. However, we suggest that the following be added for clarification:

- The forecasted site trips and distribution of these trips should take into consideration any anticipated modification to the market serviced, including increased diversion processing that may occur on site.
- The TOR identifies the study of only one haul route (i.e., between the site and Highway 401). The study should expand to include other haul routes, depending on the potential for significant traffic or environmental sensitivity along such routes.
- The TOR proposes to assess the safety along the haul route but does not identify the need to establish baseline collision data along these routes. Baseline collision data should be established along these routes and analyzed as part of the overall safety assessment.

2.1.13 Visual

The TOR identified a previous visual assessment completed in 1997. This assessment identified visual impacts from up to 3 km from the site, and prompted construction of berms.

We agree that the off-site study area should be expanded beyond 1 km as per Section 4.3. We suggest that the areas identified as having been impacted previously be included in the discussion of mitigation measures to determine the results of previously used strategies in reducing impacts off-site.

Neegan Burnside has no concerns with the proposed approach to identifying areas of concern and identifying appropriate screening plans.

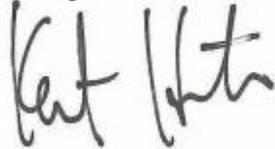
Neegan has however identified the following items for consideration by the proponent during the development of any required mitigation measures:

- With regards to consideration of mitigation measures we request additional information on the proposed type of soils (i.e., clean fill, sourced on-site from excavation, contaminated fill, etc.) for any berm proposed for the site.
- With regards to landscape planning we suggest that native species and/or beneficial plantings (such as species favoured by pollinators) be considered during the planning process.

The need for landfills, and landfill expansion, is recognized. It is WIFN's intent to promote best practices in resource management throughout its Traditional Territory. To that end, WIFN should continue to be involved in the TOR and EA and be kept informed of any responses or updates stemming from these comments or the comments of other agencies and stakeholders.

Yours truly,

Neegan Burnside Ltd.

A handwritten signature in black ink, appearing to read "Kent Hunter".

Kent Hunter, P.Eng.
Project Manager
KH:js

cc: Jared Macbeth, WIFN (enc.) (Via: Email)
Cathy Smith, Progressive Waste (Via: Email)
Cindy Batista, MOECC (Via: Email)

In the preparation of the various instruments of service contained herein, Neegan Burnside Ltd. was required to use and rely upon various sources of information (including but not limited to: reports, data, drawings, observations) produced by parties other than Neegan Burnside Ltd.. For its part Neegan Burnside Ltd. has proceeded based on the belief that the third party/parties in question produced this documentation using accepted industry standards and best practices and that all information was therefore accurate, correct and free of errors at the time of consultation. As such, the comments, recommendations and materials presented in this instrument of service reflect our best judgment in light of the information available at the time of preparation. Neegan Burnside Ltd., its employees, affiliates and subcontractors accept no liability for inaccuracies or errors in the instruments of service provided to the client, arising from deficiencies in the aforementioned third party materials and documents.

Neegan Burnside Ltd. makes no warranties, either express or implied, of merchantability and fitness of the documents and other instruments of service for any purpose other than that specified by the contract.

Jared Macbeth
Project Review Coordinator
External Projects Program
Walpole Island First Nation
2185 River Road North, R.R. 3
Wallaceburg, ON
N8A 4K9

Sent by email:

RE: Neegan Burnside Review of the Ridge Landfill Terms of Reference

Dear Mr. Macbeth,

On December 20, 2016, PWS received a copy of Neegan Burnside's review of the Ridge Landfill Terms of Reference (ToR) and Record of Consultation that was submitted to the Ministry of the Environment and Climate Change (MOECC) on November 18, 2016. We understand that Neegan Burnside was retained by Walpole Island First Nation to provide assistance regarding the review of the ToR. The purpose of the review was to determine from WIFN's perspective whether the ToR was consistent with best practices and was reasonable in terms of the objectives to be achieved.

Attached are our responses to your questions and comments. We appreciate your feedback as the project moves forward to the EA stage and would like to arrange a meeting as soon as possible to discuss your comments and our responses. Our goal is to ensure that we have adequately addressed your comments and in keeping with our current and ongoing communication with MOECC EA Branch staff to finalize the Ridge EA ToR.

PWS is committed to maintaining an ongoing relationship with WIFN throughout the EA for the landfill expansion. As such, we would also like to use this meeting as an opportunity to share next steps in the process, and the proposed schedule for upcoming field investigations and planned consultation activities.

Please feel free to reach out to us with further comments and questions you may have. We look forward to meeting with you. We appreciate how busy you are so in the absence of your ability to meet in coming days we look forward to your written feedback on our comments.

Sincerely,



John Beaucage, Principal

cc: Cindy Batista, Special Projects Officer, Ministry of the Environment & Climate Change
cc: Kent Hunter, Senior Project Engineer – Waste Management, Neegan Burnside Ltd.
cc: Dean Jacobs, Consultation Manager, Walpole Island Heritage
cc: Nisha Shirali, Projects Officer, Ministry of the Environment & Climate
cc: Cathy Smith, Project Manager – Ridge Landfill Expansion, Progressive Waste Solutions

Environmental Review of Ridge Landfill Terms of Reference

Comment No.	Comment and Rationale	Response
General Comments on Terms of Reference		
1	<ul style="list-style-type: none"> On page 50 of the TOR, under Indigenous Communities Engagement, the proponent states; <p><i>After a thorough review, it has been determined that the Project falls within the McKee Treaty (1790) and all claims by area First Nations have either been dealt with or have been surrendered at the time of treaty signing. The existence of a Métis claim of rights in southwestern Ontario has not met with any success in the courts.</i></p> <p>This infers that no additional engagement is required. However, the existing landfill and expansion area are located within the Traditional Territory of the WIFN. Within its Traditional Territory, WIFN asserts the rights to hunt, fish and trap, to harvest plants for food and medicine, to protect and honour burial sites and other sacred and culturally significant sites, to sustain and strengthen its spiritual and cultural connection to the land, to protect the Environment that supports its survival, to govern itself, and to participate in all governance and operational decisions about how the land and resources will be managed, used and protected (WIFN Consultation and Accommodation Protocol). First Nation consultation is a legal requirement and does not just apply to treaty and land claims resolution. We recommend that this paragraph be removed.</p>	<p>This information was added to the TOR as a result of comment received from the MOECC during the review of the draft TOR.</p> <p>The intention of this paragraph was not to suggest that additional consultation isn't required – but was to note the status of treaties, and the possibility of a requirement to consult with the Metis Nation. PWS along with the MOECC and our Indigenous Communities engagement specialist, John Beaucage, identified a long list of those First Nations and Metis with interests in the Ridge as it relates to Traditional Territory and the rights asserted as described here. This formed the basis for notifications and consultation initiatives with Indigenous Communities. PWS has made a commitment to consultation with Indigenous Communities throughout the EA process, including Walpole Island First Nation.</p>

Comment No.	Comment and Rationale	Response
	<ul style="list-style-type: none"> Table 6 indicates that during the EA, Indigenous communities will be consulted through letters which will be sent at key points in the project. WIFN is often inundated with large quantities of correspondence. Each letter should be followed-up with phone calls at a minimum to ensure that the correspondence has been received. It is recommended that the proponent refer to the WIFN Consultation and Accommodation Protocol and follow its guidelines. The TOR should include documentation to indicate that the Protocol will be followed. 	<p>As part of PWS commitment to ongoing consultation with Indigenous Communities, PWS will follow consultation laws, guidelines and protocols from Walpole Island First Nation, and others.</p>
	<ul style="list-style-type: none"> The Site Plan shown in the TOR is very conceptual, and a better plan showing topography, well location and overall features would assist a reader in understanding the site. 	<p>The Site Plan provided in the Terms of Reference is intended to be conceptual for clarity and ease of understanding to the ToR readers. Site plans to be provided in the EA will include additional details such as topography and other features.</p>
	<ul style="list-style-type: none"> The landfill currently receives waste from the industrial, commercial and institutional sectors from across southern Ontario. It receives residential waste from the Municipality of Chatham-Kent and Counties of Essex, Lambton, Middlesex and Elgin. However, the plan indicates that the intention is to expand the receiving area of residential waste to all of southern Ontario. Progressive has indicated that they do not intend to receive waste from large cities such as Toronto or London. However, by identifying all of southern Ontario as a receiving area, they do open up that possibility. Please provide clarification as to why all of southern Ontario is included. 	<p>PWS's service area for ICI waste is currently all of Ontario and PWS is seeking the same service area for residential waste. PWS is currently permitted to receive residential waste from the specified municipalities but in fact only receives waste from Chatham-Kent. PWS is seeking an expansion of the service area for residential waste to accommodate future waste disposal needs identified for Southern Ontario and to maximize use of the Ridge Landfill's annual capacity should ICI waste flows decrease.</p>

Comment No.	Comment and Rationale	Response
		<p>PWS has no current plans to accept residential waste from major city centres such as Toronto or London who have their own existing long-term landfill capacity. Receipt of residential waste from any municipality will only occur through formal municipal procurement processes seeking disposal capacity and subsequent award to PWS from those bidding processes when and if they should occur.</p>
	<ul style="list-style-type: none"> How will the cumulative effects assessment be undertaken? A general methodology should be provided. 	<p>The Code of Practice for preparing Environmental Assessments in Ontario requires that proponents include information about potential cumulative effects of the project in combination with past, present and reasonably foreseeable future activities where possible. The cumulative impact assessment to be undertaken as part of the EA will include:</p> <ul style="list-style-type: none"> Identifying the potential effects of the undertaking at Ridge. Identifying planned projects in the vicinity of Ridge through contact with Chatham-Kent, regulatory agencies and others. Qualitatively assessing the potential for effects from the Ridge to interact with potential effects of other projects resulting in cumulative impact on the environment.
Work Plan Review		
2.1.1	<p>Agriculture</p> <p>We have no comments on this work plan. Please see comments under Surface Water regarding Municipal drains.</p>	No response required.

Comment No.	Comment and Rationale	Response
2.1.2	<p>Air Quality</p> <p>There is no mention of odour in the Air Quality portion of the work plan. It is mentioned in other places in the document (e.g., Socio-Economic work plan) but should be included in the Air Quality portion of the plan.</p>	<p>The air quality technical assessment work for this project will include an assessment of off-site odour for the preferred site development alternative. This assessment will characterize potential odour impacts resulting from the expansion as high, medium or low. Where necessary mitigation will be identified to minimize odour.</p> <p>In addition, as part of developing the site development alternatives, a review of other experience at landfill mining operations related to odour will be undertaken.</p>
2.1.3	<p>Cultural Resources and Archaeology</p> <p>WIFN will provide comments once the Stage 1 Archeological assessment has been completed and will also request a meeting with the archaeologist.</p>	<p>PWS welcomes any comment concerning the archaeological finds, if any, in the area in question. A meeting will be arranged once the assessment has been completed.</p>
2.1.4	<p>Aviation</p> <p>The work plans set out in the TOR for the Aviation and Bird Hazard Assessment are generally adequate. However it should be noted that, regardless of Ridge Landfill's current zoning exemption (i.e., lands around the airport are zoned for obstruction clearances and bird hazard protection under the Aeronautics Act, 1985), the following must be considered to determine what enhancements may be required to the existing bird hazard assessment and control plan to allow for an extension of this exemption:</p>	<p>The proposed work to be completed during the EA for both aviation and bird hazard assessment will consider the appropriate documents and guidelines from Transport Canada and other sources, as applicable. It is noted that during the landfill expansion EA in 1997, the results of the bird hazard and aviation assessments were that a bird management plan be implemented at the Ridge Landfill to reduce risks to operations at the airport. A bird management plan has been executed since that time. The potential risks to aviation and the bird management plan will be revisited as part of this current EA and will form part of the final recommendations of the aviation and bird hazard assessments presented in the EA.</p>

Comment No.	Comment and Rationale	Response
	<ul style="list-style-type: none"> Using the Appendix B (Airport Bird Hazard Risk-Assessment Process) of the Airport Wildlife Management Bulletin No. 38 (Transport Canada, Fall 2007), and given that the Chatham- Kent Municipal Airport is capable of accommodating commercial aircraft, the Ridge Landfill falls within the “Primary Bird Hazard Zone”, “Category B Event Zone”, and “Secondary Bird Hazard Zone”. Bird Hazard Zones must be plotted. Given that Ridge Landfill is a putrescible waste landfill, it is classified as a High-Risk land-use. The following statement applies: “high-risk land-use, in particular, must be aggressively managed [and mitigated] to reduce safety risks to aircraft operations” (Transport Canada, Fall 2007). Therefore, since this land-use is deemed “inappropriate” by Transport Canada standards, risks associated with the expansion of the Ridge Landfill must be actively mitigated and regularly evaluated/modified when require Table 2 in Appendix B of the Airport Wildlife Management Bulletin No. 38 (Transport Canada, Fall 2007) should be reviewed to determine the level of risk associated with species of bird typically found in the vicinity of the Airport. Typical flight paths of birds that are frequently present in the vicinity of the airport should be assessed to help determine specific mitigation measures. Particularly, birds frequently flying below 1,500 feet AGL (above ground-level) should be given priority, since the critical phases of aircraft flights occur within this altitude (i.e., takeoff, initial climb, landing, approach and missed approach). 	

Comment No.	Comment and Rationale	Response
	<ul style="list-style-type: none"> • In order to determine specific mitigation measures to minimize hazards, the following documents should be referenced (available online): <ul style="list-style-type: none"> a. Safety Above All – A coordinated approach to airport-vicinity wildlife management (Transport Canada, 2012). b. TP 13029 – Evaluation of the Efficacy of Products and Techniques for Airport Bird Control (Transport Canada, 1998). c. TP 11500 E – Wildlife Control Procedures Manual (Transport Canada, 2002) d. TP 13549 E – Sharing the Skies – An Aviation Industry Guide to the Management of Wildlife Hazards (Transport Canada). e. TP 1247 E – Land Use in the Vicinity of Aerodromes Ninth Edition (Transport Canada, 2013). 	
2.1.5	<p>Biology</p> <p>1. It is noted that 15 Endangered or Threatened species have the potential to be present. The actual species should be listed so it can be determined whether the proposed surveys are appropriate and sufficient to address each species and that appropriate protocols for data collection are followed.</p>	<p>It is the preference of the MNRF that lists of Species at Risk are not provided in public documents. The surveys and data collection required will be completed in consultation with the MNRF and will be undertaken in accordance with MNRF protocols and industry best practices.</p>

Comment No.	Comment and Rationale	Response
	2. Species specific survey protocols should be identified including the reviewing agency, the name of the protocol, survey methods, timing, in field conditions required for surveys, etc., e.g. Ecological Land Classification (1998 Lee, H., et. al.), Breeding Bird surveys (Bird Studies Canada) and wetland identification and delineation (Ontario Wetland Evaluation System – MNRF).	Surveys for Ecological Land Classification, Breeding birds and wetland delineation will be undertaken in accordance with MNRF requirements and industry best practices. Details as to protocols followed, agencies having authority, etc. will be provided in the EA.
	3. We recommend that the significance of each natural feature (as identified in the Provincial Policy Statement 2014, Section 2.1) in the on- and off-site study areas be determined using provincial criteria (including the Significant Wildlife Habitat Ecoregion 7E Criteria Schedule (MNRF, 2015), as well as local criteria (e.g., local Official Plan).	The significance of natural features will be determined based on MNRF and planning protocols, including the Provincial Policy Statement (PPS) and Significant Wildlife Ecoregion Schedules. This will be documented in the EA.
	4. WIFN staff may wish to participate in ecological survey work. The TOR should indicate that WIFN staff will be contacted and given the opportunity to participate.	While the majority of the Ecological Land Classification work was completed in 2016, PWS will keep WIFN and other Indigenous Communities apprised of the field work scheduling as the EA progresses in 2017. PWS will discuss participation in EA field studies with WIFN.

Comment No.	Comment and Rationale	Response
	<p>5. Table 3: “Alternatives To Evaluation Criteria for Potential Impacts to the Natural Environment” is very general. The Criteria includes “potential for impact on natural features and potential for impacts on groundwater, surface water and air quality”. This should be expanded to include “Potential impacts to plant species and communities, wildlife species and populations, wildlife habitat and Species at Risk (SAR). Current criteria ignore wildlife”.</p>	<p>The “Alternatives To” evaluation was undertaken using criteria appropriate to the types of alternatives being considered. We note that given the alternatives being considered, revising the criteria as suggested would not change the outcome.</p> <p>The suggestions will be considered in refinements to the proposed criteria for the evaluation of site development alternatives (Table 2B, Appendix B in the TOR, and the draft impact assessment criteria (Table 5 in the TOR). These criteria will undergo further consultation early in the EA process and these suggestions will be considered at that time.</p>
	<p>6. The proposed criteria that will be used to evaluate the various Alternative Methods for landfill expansion should also include:</p> <ul style="list-style-type: none"> • Potential loss of habitat of Endangered and Threatened species; and, • Potential loss of medicinal or other culturally sensitive species of importance to First Nations groups such as WIFN. 	<p>We will consider these criteria suggestions in the EA during the evaluation of alternative methods and the impact assessment of the preferred alternative method. We request that WIFN provide a list of plant or other culturally important species so that these can be considered as part of the EA.</p>
	<p>7. Compensation should be established early in the process. Conversations are needed to assess the appropriate ratios, and plans presented in the ToR (Figure 12) may be inadequate in terms of compensation areas. Offsite mitigation areas could be used if necessary.</p>	<p>Preliminary habitat compensation discussions have occurred with the Lower Thames Valley Conservation Authority, Chatham-Kent and the MNRF with respect to on-site and off-site compensation areas. These conversations will continue in a meaningful way once the preferred site development alternative method has been determined.</p>

Comment No.	Comment and Rationale	Response
2.1.6	<p>Bird Hazard Assessment</p> <p>Additional details should be provided with respect to the survey protocols, time of year, time of day, survey locations, etc. How will bird hazards be assessed (i.e., what criteria/guidelines will be used to determine whether a bird hazard exists)? How will the results be presented?</p>	<p>The TOR presented an overview of the technical studies to give the reader an overall understanding of the work to be undertaken and was not intended to provide specific details for each discipline. These will be confirmed during the EA and we would be pleased to provide more details to WIFN including survey protocols at that time.</p>
2.1.7	<p>Design and Operations Plan</p> <p>Figure 12 of the TOR indicates 3 possible landfill configurations. However during the site visit it was indicated that the solution may involve a combination of these configurations (e.g., A and B, or B and C). This is not clearly explained in the document. Please clarify which options would be evaluated.</p>	<p>There are several ways the landfill could be expanded, and these include lateral expansion areas (denoted as A, B and C on Figure 12 in the TOR), vertical expansion of current waste areas (e.g., the Old Landfill), and landfill mining. As noted in Section 5.2.2.1 of the TOR, individually these approaches do not provide the capacity required for the 20-year expansion of the landfill. As such, during the EA, the approaches to expansion listed in the TOR will be combined to create specific site development alternatives for consideration.</p> <p>The specific site development alternatives will be presented for consultation during the EA.</p>
	<p>It should be noted that designs should be developed to existing standards. Grandfathering of a methodology, or saying that this is acceptable because it is how it was always done, is not appropriate.</p>	<p>Site development alternatives will be developed to applicable standards and guidelines and will consider the history of the site, as appropriate. As noted the alternatives will be presented for consultation during the EA.</p>
	<p>It is assumed that the site development will involve new stormwater ditches and surface water ponds, and these should be developed to a conceptual level such that any impacts can be assessed.</p>	<p>The conceptual design/locations for stormwater management will be incorporated into the site development and the impact assessment of the preferred alternative.</p>

Comment No.	Comment and Rationale	Response
2.1.8	<p>Geology/Hydrogeology</p> <ul style="list-style-type: none"> A current site plan showing the existing groundwater and surface water monitoring network should be added to the Work Plan. 	Information on the existing ground and surface water monitoring network is available as part of the Ridge Annual Report which is submitted to MOECC. A copy of the figure from the 2015 Annual Report is attached. This information will be included in the EA.
	<ul style="list-style-type: none"> Water levels are to be measured in the proposed new monitoring wells. An indication of frequency and duration of the monitoring should be added to the Work Plan. 	It is anticipated that water levels will be collected on five occasions over a period of 10 months; however timing will be weather-dependent.
	<ul style="list-style-type: none"> The Impact assessment analysis should include preparation of to-scale technical cross- sections that show the relationship between the geology, the waste, the leachate collection system, surface water features and the monitoring network. 	Technical cross-sections and a discussion on the relationships between geology, waste, leachate collection and surface water features will be included as part of the EA.
	<ul style="list-style-type: none"> The impact assessment should include a thorough outline of the current monitoring and evaluation of the historical monitoring data. 	This information will be summarized as part of the EA.
2.1.9	<p>Noise The Noise Work Plan as currently outlined is adequate.</p>	Comment noted.
2.1.10	<p>Socio-Economic</p> <ul style="list-style-type: none"> It is stated that information will be collected concerning the use and enjoyment of residential properties and potential effects to businesses. It should be stated how this information will be collected (e.g., door-to-door survey). Standards should be stated (i.e., what will be considered a statistically valid sample?). Will all properties within the 1 km radius and along the haul route be included? 	An in-person survey of residents and businesses within 1 km and along the haul route is proposed to collect information related to the use and enjoyment of property. More specific details on data collection methodology will be documented in the EA.

Comment No.	Comment and Rationale	Response
2.1.11	<p>Surface Water</p> <ul style="list-style-type: none"> Additional details about the water sampling protocol would be helpful, including the timing, number of samples, preliminary location of sampling stations, equipment to be used, etc. 	<p>The TOR presented an overview of the technical studies to give the reader an overall understanding of the work to be undertaken and was not intended to provide specific details for each discipline. These will be confirmed during the EA and we would be pleased to provide more details to WIFN at that time.</p>
	<ul style="list-style-type: none"> WIFN staff may wish to participate in the surface water sampling work. The TOR should indicate that WIFN staff will be contacted and given the opportunity to participate. 	<p>PWS will keep WIFN and other indigenous communities apprised of the field work scheduling as the EA progresses in 2017. PWS will discuss participation in EA field studies with WIFN.</p>
	<ul style="list-style-type: none"> The Surface Water Work Plan should address the on-site drains in regards to the <i>Drainage Act</i>. It should be confirmed if the on-site drains are Municipal Drains under the Drainage Act. If they are, any changes to location, width or depth must be made under Section 78 of the Act. The design capacity will have to be considered if site development alters the stormwater input. 	<p>The surface water technical studies will include the assessment of on-site drains and requirements under the <i>Drainage Act</i>, as needed. PWS will also consult with the Municipality of Chatham-Kent for <i>Drainage Act</i> requirements as they pertain to planning approvals.</p>
2.1.12	<p>Transportation</p> <ul style="list-style-type: none"> The forecasted site trips and distribution of these trips should take into consideration any anticipated modification to the market services, including increased diversion processing that may occur on site. 	<p>The transportation impact assessment of the undertaking will consider anticipated traffic associated with any additional diversion occurring at the site confirmed through the EA process.</p>
	<ul style="list-style-type: none"> The TOR identifies the study of only one haul route (i.e., between the site and Highway 401). The study should expand to include other haul routes, depending on the potential for significant traffic or environmental sensitivity along such routes. 	<p>As part of the 1997 EA, alternative haul routes were evaluated and the currently designated route was identified as the preferred haul route. This process was subject to review and comment from the public and the Municipality of Chatham-Kent and formed part of the approved EA. The designated haul route has functioned well since that time.</p>

Comment No.	Comment and Rationale	Response
	<ul style="list-style-type: none"> The TOR proposes to assess the safety along the haul route but does not identify the need to establish baseline collision data along these routes. Baseline collision data should be established along these routes and analyzed as part of the overall safety assessment. 	<p>This proposed expansion does not change the annual waste tonnage the site can receive for disposal. Given this and the safe function of the designated haul route, PWS does not intend to change it for this landfill expansion, but will complete an impact assessment of the haul route.</p> <p>Baseline collision data will be considered and analyzed as part of the overall safety assessment during the EA.</p>
2.1.13	<p>Visual</p> <p>We agree that the off-site study area should be expanded beyond 1 km as per Section 4.3. We suggest that the areas identified as having been impacted previously be included in the discussion of mitigation measures to determine the results of previously used strategies in reducing impacts off-site.</p> <p>Neegan Burnside has no concerns with the proposed approach to identifying areas of concern and identifying appropriate screening plans.</p> <p>Neegan has however identified the following items for consideration by the proponent during the development of any required mitigation measures:</p> <ul style="list-style-type: none"> With regards to consideration of mitigation measures we request additional information on the proposed type of soils (i.e., clean fill, sourced on-site from excavation, contaminated fill, etc.) for any berm proposed for the site. 	<p>We will consider this as part of the EA.</p> <p>All perimeter berms on site are constructed with on-site soils.</p>

Comment No.	Comment and Rationale	Response
	<ul style="list-style-type: none"> With regards to landscape planning we suggest that native species and/or beneficial plantings (such as species favoured by pollinators) be considered during the planning process. 	Native species (as is current practice at the Ridge) and beneficial plantings (such as species favoured by pollinators) will be considered for visual screening in the EA.
	The need for landfills, and landfill expansion, is recognized. It is WIFN's intent to promote best practices in resource management throughout its Traditional Territory. To that end, WIFN should continue to be involved in the TOR and EA and be kept informed of any responses or updates stemming from these comments or the comments of other agencies and stakeholders.	PWS is committed to ongoing consultation with WIFN, other Indigenous Communities, and other agency, public and business stakeholders as part of the EA. This will include updates/changes to the project as the EA process continues.



December 21, 2016

Via: Email

Sharilyn Johnston
Aamjiwnaang First Nation
978 Tashmoo Avenue
RR 3 Sarnia ON N7T 7H5

Dear Ms. Johnston:

Re: Environmental Review of Ridge Landfill Terms of Reference
MOECC File Number: 30-08-02
Project No.: 300040044.0000

Neegan Burnside Ltd. (Neegan Burnside) was retained by Aamjiwnaang First Nation (AFN) to provide assistance regarding the Environmental Assessment (EA) process for the proposed Ridge Landfill Expansion in the Municipality of Chatham-Kent. This current letter consists of a review of the following documents:

- Terms of Reference (November 2016), with accompanying Technical Work Plan Summaries, prepared by Dillon Consulting
- Record of Consultation (November 2016)

The objective of this stage of review is to assess whether the Terms of Reference (TOR) is consistent with best practices and is reasonable in terms of the objectives trying to be achieved.

It should be noted that Neegan Burnside has also been retained by Walpole Island First Nation to undertake a similar review of the Ridge documentation. At this early stage of the project, concerns and comments are the pretty similar for both groups and review letters have many common elements. However, it is anticipated that as the project advances and the environmental committee's for both First Nations become more involved, the concerns will begin to diverge. Although these review letters are very similar, both communities should receive individual responses from Ridge Landfill.

Our review is summarized in the sections which follow:

1.0 General Comments on Terms of Reference

The following are general comments on the TOR:

- On page 50 of the TOR, under Indigenous Communities Engagement, the proponent states;

After a thorough review, it has been determined that the Project falls within the McKee Treaty (1790) and all claims by area First Nations have either been dealt with or have been surrendered at the time of treaty signing. The existence of a Métis claim of rights in southwestern Ontario has not met with any success in the courts.

This infers that no additional engagement is required. However, the existing landfill and expansion area are located within the Traditional Territory of the AFN. First Nation consultation is a legal requirement and does not just apply to treaty and land claims resolution. We recommend that this paragraph be removed.

- Table 6 indicates that during the EA, Indigenous communities will be consulted through letters which will be sent at key points in the project. AFN is often inundated with large quantities of correspondence. Each letter should be followed-up with phone calls at a minimum to ensure that the correspondence has been received. It is recommended that the proponent refer to the AFN Consultation Process and follow the flow chart. The TOR should include documentation to indicate that the Process will be followed.
- The Site Plan shown in the TOR is very conceptual, and a better plan showing topography, well location and overall features would assist a reader in understanding the site.
- The landfill currently receives waste from the industrial, commercial and institutional sectors from across southern Ontario. It receives residential waste from the Municipality of Chatham-Kent and Counties of Essex, Lambton, Middlesex and Elgin. However, the plan indicates that the intention is to expand the receiving area of residential waste to all of southern Ontario. Progressive has indicated that they do not intend to receive waste from large cities such as Toronto or London. However, by identifying all of southern Ontario as a receiving area, they do open up that possibility. Please provide clarification as to why all of southern Ontario is included.
- How will the cumulative effects assessment be undertaken? A general methodology should be provided.

2.0 Work Plan Review

Neegan Burnside has reviewed the TOR, Consultation Record and Technical Work Plan Summaries. Our comments are intended to identify any potential impacts to AFN's Aboriginal Rights, as well as the community's intent to participate in resource management decisions within its Traditional Territory, so as to preserve and protect natural resources for future generations. It is generally our procedure to assemble an equivalent team to the proponent to review each component and comment with respect to work plans and conclusions. The TOR and the work plans outlined in Appendix B were distributed to the various technical disciplines. These are their comments:

2.1.1 Agriculture

Ridge owned farmlands should be assessed for riparian buffers and Best Management Practices for farms to address surface water impacts from land application and nutrient management issues. Please see comments under Surface Water regarding Municipal drains.

2.1.2 Air Quality

There is no mention of odour in the Air Quality portion of the work plan. It is mentioned in other places in the document (e.g., Socio-Economic work plan) but should be included in the Air Quality portion of the plan.

2.1.3 Cultural Resources and Archaeology

AFN will provide comments once the Stage 1 Archeological assessment has been completed and will also request a meeting with the archaeologist.

2.1.4 Aviation

The work plans set out in the TOR for the Aviation and Bird Hazard Assessment are generally adequate. However it should be noted that, regardless of Ridge Landfill's current zoning exemption (i.e., lands around the airport are zoned for obstruction clearances and bird hazard protection under the Aeronautics Act, 1985), the following must be considered to determine what enhancements may be required to the existing bird hazard assessment and control plan to allow for an extension of this exemption:

- Using the Appendix B (Airport Bird Hazard Risk-Assessment Process) of the Airport Wildlife Management Bulletin No. 38 (Transport Canada, Fall 2007), and given that the Chatham-Kent Municipal Airport is capable of accommodating commercial aircraft, the Ridge Landfill falls within the "Primary Bird Hazard Zone", "Category B Event Zone", and "Secondary Bird Hazard Zone". Bird Hazard Zones must be plotted. Given that Ridge Landfill is a putrescible waste landfill, it is classified as a High-Risk land-use. The following statement applies: "high-risk land-use, in particular, must be aggressively managed [and mitigated] to reduce safety risks to aircraft operations" (Transport Canada, Fall 2007). Therefore, since this land-use is deemed "inappropriate" by Transport Canada standards, risks associated with the expansion of the Ridge Landfill must be actively mitigated and regularly evaluated/modified when required.
- Table 2 in Appendix B of the Airport Wildlife Management Bulletin No. 38 (Transport Canada, Fall 2007) should be reviewed to determine the level of risk associated with species of bird typically found in the vicinity of the Airport. Typical flight paths of birds that are frequently present in the vicinity of the airport should be assessed to help determine specific mitigation measures. Particularly, birds frequently flying below 1,500 feet AGL (above ground-level) should be given priority, since the critical phases of aircraft flights occur within this altitude (i.e., takeoff, initial climb, landing, approach and missed approach).
- In order to determine specific mitigation measures to minimize hazards, the following documents should be referenced (available online):
 - a) Safety Above All – A coordinated approach to airport-vicinity wildlife management (Transport Canada, 2012).
 - b) TP 13029 – Evaluation of the Efficacy of Products and Techniques for Airport Bird Control (Transport Canada, 1998).
 - c) TP 11500 E – Wildlife Control Procedures Manual (Transport Canada, 2002).

- d) TP 13549 E – Sharing the Skies – An Aviation Industry Guide to the Management of Wildlife Hazards (Transport Canada).
- e) TP 1247 E – Land Use in the Vicinity of Aerodromes Ninth Edition (Transport Canada, 2013).

2.1.5 Biology

With respect to the Biology work plan, we note the following:

1. It is noted that 15 Endangered or Threatened species have the potential to be present. The actual species should be listed so it can be determined whether the proposed surveys are appropriate and sufficient to address each species and that appropriate protocols for data collection are followed.
2. Species specific survey protocols should be identified including the reviewing agency, the name of the protocol, survey methods, timing, in field conditions required for surveys, etc., e.g. Ecological Land Classification (1998 Lee, H., et. al.), Breeding Bird surveys (Bird Studies Canada) and wetland identification and delineation (Ontario Wetland Evaluation System – MNRF).
3. We recommend that the significance of each natural feature (as identified in the Provincial Policy Statement 2014, Section 2.1) in the on- and off-site study areas be determined using provincial criteria (including the Significant Wildlife Habitat Ecoregion 7E Criteria Schedule (MNRF, 2015), as well as local criteria (e.g., local Official Plan).
4. AFN staff may wish to participate in ecological survey work. The TOR should indicate that AFN staff will be contacted and given the opportunity to participate.
5. Table 3: “Alternatives To Evaluation Criteria for Potential Impacts to the Natural Environment” is very general. The Criteria includes “potential for impact on natural features and potential for impacts on groundwater, surface water and air quality”. This should be expanded to include “Potential impacts to plant species and communities, wildlife species and populations, wildlife habitat and Species at Risk (SAR). Current criteria ignore wildlife”.
6. The proposed criteria that will be used to evaluate the various Alternative Methods for landfill expansion should also include:
 - Potential loss of habitat of Endangered and Threatened species; and,
 - Potential loss of medicinal or other culturally sensitive species of importance to First Nations groups such as AFN.
7. Compensation should be established early in the process. Conversations are needed to assess the appropriate ratios, and plans presented in the ToR (Figure 12) may be inadequate in terms of compensation areas. Offsite mitigation areas could be used if necessary.

2.1.6 Bird Hazard Assessment

Additional details should be provided with respect to the survey protocols, time of year, time of day, survey locations, etc. How will bird hazards be assessed (i.e., what criteria/guidelines will be used to determine whether a bird hazard exists)? How will the results be presented?

2.1.7 Design and Operations Plan

Figure 12 of the TOR indicates 3 possible landfill configurations. However during the site visit it was indicated that the solution may involve a combination of these configurations (e.g., A and B, or B and C). This is not clearly explained in the document. Please clarify which options would be evaluated.

It should be noted that designs should be developed to existing standards. Grandfathering of a methodology, or saying that this is acceptable because it is how it was always done, is not appropriate.

It is assumed that the site development will involve new stormwater ditches and surface water ponds, and these should be developed to a conceptual level such that any impacts can be assessed.

2.1.8 Geology/Hydrogeology

With respect to the Geological and Hydrogeological Work Plans, we make the following comments:

- A current site plan showing the existing groundwater and surface water monitoring network should be added to the Work Plan.
- Water levels are to be measured in the proposed new monitoring wells. An indication of frequency and duration of the monitoring should be added to the Work Plan.
- The Impact assessment analysis should include preparation of to-scale technical cross-sections that show the relationship between the geology, the waste, the leachate collection system, surface water features and the monitoring network.
- The impact assessment should include a thorough outline of the current monitoring and evaluation of the historical monitoring data.

2.1.9 Noise

The Noise Work Plan as currently outlined is adequate.

2.1.10 Socio-Economic

- It is stated that information will be collected concerning the use and enjoyment of residential properties and potential effects to businesses. It should be stated how this information will be collected (e.g., door-to-door survey). Standards should be stated (i.e., what will be considered a statistically valid sample?). Will all properties within the 1 km radius and along the haul route be included?
- How will any changes in property values be determined?

2.1.11 Surface Water

- Additional details about the water sampling protocol would be helpful, including the timing, number of samples, preliminary location of sampling stations, equipment to be used, etc.

- AFN staff may wish to participate in the surface water sampling work. The TOR should indicate that AFN staff will be contacted and given the opportunity to participate.
- The Surface Water Work Plan should address the on-site drains in regards to the Drainage Act.
- It should be confirmed if the on-site drains are Municipal Drains under the Drainage Act. If they are, any changes to location, width or depth must be made under Section 78 of the Act. The design capacity will have to be considered if site development alters the stormwater input.

2.1.12 Transportation

The work plans set out in the TOR for the Transportation Analysis are generally adequate. However, we suggest that the following be added for clarification:

- The forecasted site trips and distribution of these trips should take into consideration any anticipated modification to the market serviced, including increased diversion processing that may occur on site.
- The TOR identifies the study of only one haul route (i.e., between the site and Highway 401). The study should expand to include other haul routes, depending on the potential for significant traffic or environmental sensitivity along such routes.
- The TOR proposes to assess the safety along the haul route but does not identify the need to establish baseline collision data along these routes. Baseline collision data should be established along these routes and analyzed as part of the overall safety assessment.

2.1.13 Visual

The TOR identified a previous visual assessment completed in 1997. This assessment identified visual impacts from up to 3 km from the site, and prompted construction of berms.

We agree that the off-site study area should be expanded beyond 1 km as per Section 4.3. We suggest that the areas identified as having been impacted previously be included in the discussion of mitigation measures to determine the results of previously used strategies in reducing impacts off-site.

Neegan Burnside has no concerns with the proposed approach to identifying areas of concern and identifying appropriate screening plans.

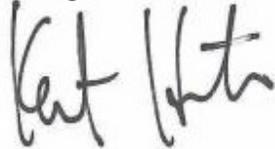
Neegan has however identified the following items for consideration by the proponent during the development of any required mitigation measures:

- With regards to consideration of mitigation measures we request additional information on the proposed type of soils (i.e., clean fill, sourced on-site from excavation, contaminated fill, etc.) for any berm proposed for the site.
- With regards to landscape planning we suggest that native species and/or beneficial plantings (such as species favoured by pollinators) be considered during the planning process.

The need for landfills, and landfill expansion, is recognized. It is AFN's intent to promote best practices in resource management throughout its Traditional Territory. To that end, AFN should continue to be involved in the TOR and EA and be kept informed of any responses or updates stemming from these comments or the comments of other agencies and stakeholders.

Yours truly,

Neegan Burnside Ltd.



Kent Hunter, P.Eng.
Project Manager
KH:js

cc: Courtney Jackson, AFN (Via: Email)
Cathy Smith, Progressive Waste (Via: Email)
Cindy Batista, MOECC (Via: Email)

In the preparation of the various instruments of service contained herein, Neegan Burnside Ltd. was required to use and rely upon various sources of information (including but not limited to: reports, data, drawings, observations) produced by parties other than Neegan Burnside Ltd.. For its part Neegan Burnside Ltd. has proceeded based on the belief that the third party/parties in question produced this documentation using accepted industry standards and best practices and that all information was therefore accurate, correct and free of errors at the time of consultation. As such, the comments, recommendations and materials presented in this instrument of service reflect our best judgment in light of the information available at the time of preparation. Neegan Burnside Ltd., its employees, affiliates and subcontractors accept no liability for inaccuracies or errors in the instruments of service provided to the client, arising from deficiencies in the aforementioned third party materials and documents.

Neegan Burnside Ltd. makes no warranties, either express or implied, of merchantability and fitness of the documents and other instruments of service for any purpose other than that specified by the contract.

Kent Hunter
Senior Project Engineer – Waste Management
Neegan Burnside Ltd.
17345 Leslie Street, Suite 200
Newmarket, ON
L3Y 0A4

Sent by email:

RE: Neegan Burnside Review of the Ridge Landfill Terms of Reference

Dear Mr. Hunter,

On December 22, 2016, PWS received a copy of Neegan Burnside's review of the Ridge Landfill Terms of Reference (ToR) and Record of Consultation that was submitted to the Ministry of the Environment and Climate Change (MOECC) on November 18, 2016. We understand that Neegan Burnside was retained by Walpole Island First Nation to provide assistance regarding the review of the ToR. The purpose of the review was to determine from WIFN's perspective whether the ToR was consistent with best practices and was reasonable in terms of the objectives to be achieved.

Attached are our responses to your questions and comments. We appreciate your feedback as the project moves forward to the EA stage and would like to arrange a meeting as soon as possible to discuss your comments and our responses. Our goal is to ensure that we have adequately addressed your comments and in keeping with our current and ongoing communication with MOECC EA Branch staff to finalize the Ridge EA ToR.

PWS is committed to maintaining an ongoing relationship with WIFN throughout the EA for the landfill expansion. As such, we would also like to use this meeting as an opportunity to share next steps in the process, and the proposed schedule for upcoming field investigations and planned consultation activities.

Please feel free to reach out to us with further comments and questions you may have. We look forward to meeting with you. We appreciate how busy you are so in the absence of your ability to meet in coming days we look forward to your written feedback on our comments.

Sincerely,



John Beaucage, Principal

cc: Cindy Batista, Special Projects Officer, Ministry of the Environment & Climate Change
cc: Courtney Jackson, Environment and Outreach Worker, Aamjwnaang First Nation
cc: Sharilyn Johnston, Environment Coordinator, Aamjiwnaang First Nation
cc: Nisha Shirali, Projects Officer, Ministry of the Environment & Climate
cc: Cathy Smith, Project Manager – Ridge Landfill Expansion, Progressive Waste Solutions

Environmental Review of Ridge Landfill Terms of Reference

Comment No.	Comment and Rationale	Response
General Comments on Terms of Reference		
1	<p>On page 50 of the TOR, under Indigenous Communities Engagement, the proponent states:</p> <p><i>After a thorough review, it has been determined that the Project falls within the McKee Treaty (1790) and all claims by area First Nations have either been dealt with or have been surrendered at the time of treaty signing. The existence of a Métis claim of rights in southwestern Ontario has not met with any success in the courts.</i></p>	<p>This information was added to the TOR as a result of comment received from the MOECC during the review of the draft TOR.</p>
	<p>This infers that no additional engagement is required. However, the existing landfill and expansion area are located within the Traditional Territory of the AFN. First Nation consultation is a legal requirement and does not just apply to treaty and land claims resolution. We recommend that this paragraph be removed.</p>	<p>The intention of this paragraph was not to suggest that additional consultation isn't required – but was to note the status of treaties, and the possibility of a requirement to consult with the Métis Nation. PWS along with the MOECC and our Indigenous Communities engagement specialist, John Beaucage, identified a long list of those First Nations and Metis with interests in the Ridge as it relates to Traditional Territory and the rights asserted as described here. This formed the basis for notifications and consultation initiatives with Indigenous Communities. PWS has made a commitment to consultation with Indigenous Communities throughout the EA process, including Aamjiwaang First Nation.</p>

Comment No.	Comment and Rationale	Response
	<p>Table 6 indicates that during the EA, Indigenous communities will be consulted through letters which will be sent at key points in the project. AFN is often inundated with large quantities of correspondence. Each letter should be followed-up with phone calls at a minimum to ensure that the correspondence has been received. It is recommended that the proponent refer to the AFN Consultation Process and follow the flow chart. The TOR should include documentation to indicate that the Process will be followed.</p>	<p>As part of PWS commitment to ongoing consultation with Indigenous Communities, PWS will follow consultation laws, guidelines and protocols from Aamjiwaang First Nation, and others.</p>
	<p>The Site Plan shown in the TOR is very conceptual, and a better plan showing topography, well location and overall features would assist a reader in understanding the site.</p> <p>The landfill currently receives waste from the industrial, commercial and institutional sectors from across southern Ontario. It receives residential waste from the Municipality of Chatham-Kent and Counties of Essex, Lambton, Middlesex and Elgin. However, the plan indicates that the intention is to expand the receiving area of residential waste to all of southern Ontario. Progressive has indicated that they do not intend to receive waste from large cities such as Toronto or London. However, by identifying all of southern Ontario as a receiving area, they do open up that possibility. Please provide clarification as to why all of southern Ontario is included.</p>	<p>The Site Plan provided in the Terms of Reference is intended to be conceptual for clarity and ease of understanding to the ToR readers. Site plans to be provided in the EA will include additional details such as topography and other features.</p> <p>PWS's service area for ICI waste is currently all of Ontario and PWS is seeking the same service area for residential waste. PWS is currently permitted to receive residential waste from the specified municipalities but in fact only receives waste from Chatham-Kent. PWS is seeking an expansion of the service area for residential waste to accommodate future waste disposal needs identified for Southern Ontario and to maximize use of the Ridge Landfill's annual capacity should ICI waste flows decrease.</p> <p>PWS has no current plans to accept residential waste from major city centres such as Toronto or London who have their own existing long-term landfill capacity. Receipt of residential waste from any municipality will only occur through formal municipal procurement processes seeking disposal capacity and subsequent award to PWS from those bidding processes when and if they should occur.</p>

Comment No.	Comment and Rationale	Response
	<p>How will the cumulative effects assessment be undertaken? A general methodology should be provided.</p>	<p>The Code of Practice for preparing Environmental Assessments in Ontario requires that proponents include information about potential cumulative effects of the project in combination with past, present and reasonably foreseeable future activities where possible. The cumulative impact assessment to be undertaken as part of the EA will include:</p> <ul style="list-style-type: none"> • Identifying the potential effects of the undertaking at Ridge. • Identifying planned projects in the vicinity of Ridge through contact with Chatham-Kent, regulatory agencies and others. • Qualitatively assessing the potential for effects from the Ridge to interact with potential effects of other projects resulting in cumulative impact on the environment.
<p>2.0 Work Plan Review</p>		
<p>2.1.1</p>	<p>Agriculture Ridge owned farmlands should be assessed for riparian buffers and Best Management Practices for farms to address surface water impacts from land application and nutrient management issues. Please see comments under Surface Water regarding Municipal drains.</p>	<p>The only land application done by on-site farmers relates to the use of fertilizers. This will be considered in the agricultural impact assessment of the preferred site development alternative.</p> <p>The preferred site development alternative may impact the existing drains on-site. Should this be the case, the impact assessment will consider potential effects to riparian vegetation.</p> <p>Municipal drains are addressed within the comments for surface water, presented below.</p>

Comment No.	Comment and Rationale	Response
2.1.2	<p>Air Quality</p> <p>There is no mention of odour in the Air Quality portion of the work plan. It is mentioned in other places in the document (e.g., Socio-Economic work plan) but should be included in the Air Quality portion of the plan.</p>	<p>The air quality technical assessment work for this project will include an assessment of off-site odour for the preferred site development alternative. This assessment will characterize potential odour impacts resulting from the expansion as high, medium or low. Where necessary mitigation will be identified to minimize odour.</p> <p>In addition, as part of developing the site development alternatives, a review of other experience at landfill mining operations related to odour will be undertaken.</p>
2.1.3	<p>Cultural Resources and Archaeology</p> <p>AFN will provide comments once the Stage 1 Archeological assessment has been completed and will also request a meeting with the archaeologist.</p>	<p>PWS welcomes any comment concerning the archaeological finds, if any, in the area in question. A meeting will be arranged once the assessment has been completed.</p>
2.1.4	<p>Aviation</p> <p>Using the Appendix B (Airport Bird Hazard Risk-Assessment Process) of the Airport Wildlife Management Bulletin No. 38 (Transport Canada, Fall 2007), and given that the Chatham- Kent Municipal Airport is capable of accommodating commercial aircraft, the Ridge Landfill falls within the “Primary Bird Hazard Zone”, “Category B Event Zone”, and “Secondary Bird Hazard Zone”. Bird Hazard Zones must be plotted. Given that Ridge Landfill is a putrescible waste landfill, it is classified as a High-Risk land-use. The following statement applies: “high-risk land-use, in particular, must be aggressively managed [and mitigated] to reduce safety risks to aircraft operations” (Transport Canada, Fall 2007). Therefore, since this land-use is</p>	<p>The proposed work to be completed during the EA for both aviation and bird hazard assessment will consider the appropriate documents and guidelines from Transport Canada and other sources, as applicable. It is noted that during the landfill expansion EA in 1997, the results of the bird hazard and aviation assessments were that a bird management plan be implemented at the Ridge Landfill to reduce risks to operations at the airport. A bird management plan has been executed since that time. The potential risks to aviation and the bird management plan will be revisited as part of this current EA and will form part of the final recommendations of the aviation and bird hazard assessments presented in the EA.</p>

Comment No.	Comment and Rationale	Response
	<p>deemed “inappropriate” by Transport Canada standards, risks associated with the expansion of the Ridge Landfill must be actively mitigated and regularly evaluated/modified when required.</p> <p>Table 2 in Appendix B of the Airport Wildlife Management Bulletin No. 38 (Transport Canada, Fall 2007) should be reviewed to determine the level of risk associated with species of bird typically found in the vicinity of the Airport. Typical flight paths of birds that are frequently present in the vicinity of the airport should be assessed to help determine specific mitigation measures. Particularly, birds frequently flying below 1,500 feet AGL (above ground-level) should be given priority, since the critical phases of aircraft flights occur within this altitude (i.e., takeoff, initial climb, landing, approach and missed approach).</p> <p>In order to determine specific mitigation measures to minimize hazards, the following documents should be referenced (available online):</p> <ol style="list-style-type: none"> a. Safety Above All – A coordinated approach to airport-vicinity wildlife management (Transport Canada, 2012). b. TP 13029 – Evaluation of the Efficacy of Products and Techniques for Airport Bird Control (Transport Canada, 1998). c. TP 11500 E – Wildlife Control Procedures Manual (Transport Canada, 2002). d. TP 13549 E – Sharing the Skies – An Aviation Industry Guide to the Management of Wildlife Hazards (Transport Canada). e. TP 1247 E – Land Use in the Vicinity of Aerodromes Ninth Edition (Transport Canada, 2013). 	

Comment No.	Comment and Rationale	Response
2.1.5	<p>Biology</p> <ol style="list-style-type: none"> 1. It is noted that 15 Endangered or Threatened species have the potential to be present. The actual species should be listed so it can be determined whether the proposed surveys are appropriate and sufficient to address each species and that appropriate protocols for data collection are followed. 2. Species specific survey protocols should be identified including the reviewing agency, the name of the protocol, survey methods, timing, in field conditions required for surveys, etc., e.g. Ecological Land Classification (1998 Lee, H., et. al.), Breeding Bird surveys (Bird Studies Canada) and wetland identification and delineation (Ontario Wetland Evaluation System – MNRF). 3. We recommend that the significance of each natural feature (as identified in the Provincial Policy Statement 2014, Section 2.1) in the on- and off-site study areas be determined using provincial criteria (including the Significant Wildlife Habitat Ecoregion 7E Criteria Schedule (MNRF, 2015), as well as local criteria (e.g., local Official Plan). 4. AFN staff may wish to participate in ecological survey work. The TOR should indicate that AFN staff will be contacted and given the opportunity to participate. 	<p>It is the preference of the MNRF that lists of Species at Risk are not provided in public documents. The surveys and data collection required will be completed in consultation with the MNRF and will be undertaken in accordance with MNRF protocols and industry best practices.</p> <p>Surveys for Ecological Land Classification, Breeding birds and wetland delineation will be undertaken in accordance with MNRF requirements and industry best practices. Details as to protocols followed, agencies having authority, etc. will be provided in the EA.</p> <p>The significance of natural features will be determined based on MNRF and planning protocols, including the Provincial Policy Statement (PPS) and Significant Wildlife Ecoregion Schedules. This will be documented in the EA.</p> <p>While the majority of the Ecological Land Classification work was completed in 2016, PWS will keep AFN and other Indigenous Communities apprised of the field work scheduling as the EA progresses in 2017. PWS will discuss participation in EA field studies with AFN.</p>

Comment No.	Comment and Rationale	Response
	<p>5. Table 3: “Alternatives To Evaluation Criteria for Potential Impacts to the Natural Environment” is very general. The Criteria includes “potential for impact on natural features and potential for impacts on groundwater, surface water and air quality”. This should be expanded to include “Potential impacts to plant species and communities, wildlife species and populations, wildlife habitat and Species at Risk (SAR). Current criteria ignore wildlife”</p> <p>6. The proposed criteria that will be used to evaluate the various Alternative Methods for landfill expansion should also include:</p> <ul style="list-style-type: none"> • Potential loss of habitat of Endangered and Threatened species; and, • Potential loss of medicinal or other culturally sensitive species of importance to First Nations groups such as AFN. <p>7. Compensation should be established early in the process. Conversations are needed to assess the appropriate ratios, and plans presented in the ToR (Figure 12) may be inadequate in terms of compensation areas. Offsite mitigation areas could be used if necessary.</p>	<p>The “Alternatives To” evaluation was undertaken using criteria appropriate to the types of alternatives being considered. We note that given the alternatives being considered, revising the criteria as suggested would not change the outcome.</p> <p>The suggestions will be considered in refinements to the proposed criteria for the evaluation of site development alternatives (Table 2B, Appendix B in the TOR, and the draft impact assessment criteria (Table 5 in the TOR). These criteria will undergo further consultation early in the EA process and these suggestions will be considered at that time.</p> <p>We will consider these criteria suggestions in the EA during the evaluation of alternative methods and the impact assessment of the preferred alternative method. We request that AFN provide a list of plant or other culturally important species so that these can be considered as part of the EA.</p> <p>Preliminary habitat compensation discussions have occurred with the Lower Thames Valley Conservation Authority, Chatham-Kent and the MNRF with respect to on-site and off-site compensation areas. These conversations will continue in a meaningful way once the preferred site development alternative method has been determined.</p>

Comment No.	Comment and Rationale	Response
2.1.6	<p>Bird Hazard Assessment</p> <p>Additional details should be provided with respect to the survey protocols, time of year, time of day, survey locations, etc. How will bird hazards be assessed (i.e., what criteria/guidelines will be used to determine whether a bird hazard exists)? How will the results be presented?</p>	<p>The TOR presented an overview of the technical studies to give the reader an overall understanding of the work to be undertaken and was not intended to provide specific details for each discipline. These will be confirmed during the EA and we would be pleased to provide more details to AFN including survey protocols at that time.</p>
2.1.7	<p>Design and Operations Plan</p> <p>Figure 12 of the TOR indicates 3 possible landfill configurations. However during the site visit it was indicated that the solution may involve a combination of these configurations (e.g., A and B, or B and C). This is not clearly explained in the document. Please clarify which options would be evaluated.</p> <p>It should be noted that designs should be developed to existing standards. Grandfathering of a methodology, or saying that this is acceptable because it is how it was always done, is not appropriate.</p>	<p>There are several ways the landfill could be expanded, and these include lateral expansion areas (denoted as A, B and C on Figure 12 in the TOR), vertical expansion of current waste areas (e.g., the Old Landfill), and landfill mining. As noted in Section 5.2.2.1 of the TOR, individually these approaches do not provide the capacity required for the 20-year expansion of the landfill. As such, during the EA, the approaches to expansion listed in the TOR will be combined to create specific site development alternatives for consideration.</p> <p>The specific site development alternatives will be presented for consultation during the EA.</p> <p>Site development alternatives will be developed to applicable standards and guidelines and will consider the history of the site, as appropriate. As noted the alternatives will be presented for consultation during the EA.</p>
	<p>It is assumed that the site development will involve new stormwater ditches and surface water ponds, and these should be developed to a conceptual level such that any impacts can be assessed.</p>	<p>The conceptual design/locations for stormwater management will be incorporated into the site development and the impact assessment of the preferred alternative.</p>

Comment No.	Comment and Rationale	Response
	<p>Geology/Hydrogeology</p> <p>With respect to the Geological and Hydrogeological Work Plans, we make the following comments:</p> <ul style="list-style-type: none"> • A current site plan showing the existing groundwater and surface water monitoring network should be added to the Work Plan. • Water levels are to be measured in the proposed new monitoring wells. An indication of frequency and duration of the monitoring should be added to the Work Plan. • The Impact assessment analysis should include preparation of to-scale technical cross-sections that show the relationship between the geology, the waste, the leachate collection system, surface water features and the monitoring network. • The impact assessment should include a thorough outline of the current monitoring and evaluation of the historical monitoring data. 	<p>Information on the existing ground and surface water monitoring network is available as part of the Ridge Annual Report which is submitted to MOECC. A copy of the figure from the 2015 Annual Report is attached. This information will be included in the EA.</p> <p>It is anticipated that water levels will be collected on five occasions over a period of 10 months; however timing will be weather-dependent.</p> <p>Technical cross-sections and a discussion on the relationships between geology, waste, leachate collection and surface water features will be included as part of the EA.</p> <p>This information will be summarized as part of the EA.</p>
2.1.9	<p>Noise</p> <p>The Noise Work Plan as currently outlined is adequate.</p>	<p>Comment noted.</p>
2.1.10	<p>Socio-Economic</p> <ul style="list-style-type: none"> • It is stated that information will be collected concerning the use and enjoyment of residential properties and potential effects to businesses. It should be stated how this information will be collected (e.g., door-to-door survey). Standards should be stated (i.e., what will be considered a statistically valid sample?). Will all properties within the 1 km radius and along the haul route be included? 	<p>An in-person survey of residents and businesses within 1 km and along the haul route is proposed to collect information related to the use and enjoyment of property. More specific details on data collection methodology will be documented in the EA.</p> <p>The draft socio-economic impact assessment criteria in Table 5 of the TOR include the criterion "potential impacts to property value". Final criteria and indicators for the impact assessment</p>

Comment No.	Comment and Rationale	Response
2.1.11	<ul style="list-style-type: none"> How will any changes in property values be determined? <p>Surface Water</p> <ul style="list-style-type: none"> Additional details about the water sampling protocol would be helpful, including the timing, number of samples, preliminary location of sampling stations, equipment to be used, etc. AFN staff may wish to participate in the surface water sampling work. The TOR should indicate that AFN staff will be contacted and given the opportunity to participate. The Surface Water Work Plan should address the on-site drains in regards to the <i>Drainage Act</i>. It should be confirmed if the on-site drains are Municipal Drains under the Drainage Act. If they are, any changes to location, width or depth must be made under Section 78 of the Act. The design capacity will have to be considered if site development alters the stormwater input. 	<p>will be determined during the EA but the data sources for this work are likely to include a review of nuisance generating facilities, available literature and a comparison of home and property values in the local area and/or comparable jurisdictions.</p> <p>It is noted that the community benefits that PWS provides including the current property value protection program are based on the potential impact of the landfill and thus will be reviewed once the EA is complete and potential impacts of the proposed expansion are known.</p> <p>The TOR presented an overview of the technical studies to give the reader an overall understanding of the work to be undertaken and was not intended to provide specific details for each discipline. These will be confirmed during the EA and we would be pleased to provide more details to AFN at that time.</p> <p>PWS will keep AFN and other indigenous communities apprised of the field work scheduling as the EA progresses in 2017. PWS will discuss participation in EA field studies with AFN.</p> <p>The surface water technical studies will include the assessment of on-site drains and requirements under the <i>Drainage Act</i>, as needed. PWS will also consult with the Municipality of Chatham-Kent for <i>Drainage Act</i> requirements as they pertain to planning approvals.</p>
2.1.12	<p>Transportation</p> <ul style="list-style-type: none"> The forecasted site trips and distribution of these trips should take into consideration any anticipated modification to the 	<p>The transportation impact assessment of the undertaking will consider anticipated traffic associated with any additional diversion occurring at the site confirmed through the EA process.</p>

Comment No.	Comment and Rationale	Response
	<p>market serviced, including increased diversion processing that may occur on site.</p> <ul style="list-style-type: none"> • The TOR identifies the study of only one haul route (i.e., between the site and Highway 401). The study should expand to include other haul routes, depending on the potential for significant traffic or environmental sensitivity along such routes. • The TOR proposes to assess the safety along the haul route but does not identify the need to establish baseline collision data along these routes. Baseline collision data should be established along these routes and analyzed as part of the overall safety assessment. 	<p>As part of the 1997 EA, alternative haul routes were evaluated and the currently designated route was identified as the preferred haul route. This process was subject to review and comment from the public and the Municipality of Chatham-Kent and formed part of the approved EA. The designated haul route has functioned well since that time.</p> <p>This proposed expansion does not change the annual waste tonnage the site can receive for disposal. Given this and the safe function of the designated haul route, PWS does not intend to change it for this landfill expansion, but will complete an impact assessment of the haul route.</p> <p>Baseline collision data will be considered and analyzed as part of the overall safety assessment during the EA.</p>
2.1.13	<p>Visual</p> <p>We agree that the off-site study area should be expanded beyond 1 km as per Section 4.3. We suggest that the areas identified as having been impacted previously be included in the discussion of mitigation measures to determine the results of previously used strategies in reducing impacts off-site.</p> <p>Neegan has however identified the following items for consideration by the proponent during the development of any required mitigation measures.</p>	<p>We will consider this as part of the EA.</p>

Comment No.	Comment and Rationale	Response
	<ul style="list-style-type: none"> With regards to consideration of mitigation measures we request additional information on the proposed type of soils (i.e., clean fill, sourced on-site from excavation, contaminated fill, etc.) for any berm proposed for the site. With regards to landscape planning we suggest that native species and/or beneficial plantings (such as species favoured by pollinators) be considered during the planning process. 	<p>All perimeter berms on site are constructed with on-site soils.</p> <p>Native species (as is current practice at the Ridge) and beneficial plantings (such as species favoured by pollinators) will be considered for visual screening in the EA.</p>
	<p>The need for landfills, and landfill expansion, is recognized. It is AFN's intent to promote best practices in resource management throughout its Traditional Territory. To that end, AFN should continue to be involved in the TOR and EA and be kept informed of any responses or updates stemming from these comments or the comments of other agencies and stakeholders.</p>	<p>PWS is committed to ongoing consultation with AFN, other Indigenous Communities, and other agency, public and business stakeholders as part of the EA. This will include updates/changes to the project as the EA process continues.</p>

NEEGAN BURNSIDE

February 1, 2017

Via: Email

Dean Jacobs
Consultation Manager
Walpole Island Heritage Centre
RR 3
Wallaceburg ON N8A 4K9

Dear Mr. Jacobs:

**Re: Ridge Landfill Terms of Reference Environmental Review
Walpole Island First Nation Review
Project No.: 300040044.0000**

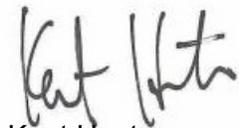
Neegan Burnside was retained by Walpole Island First Nations (WIFN) to provide assistance with the technical review of the Ridge Landfill Terms of Reference for an Environmental Assessment to facilitate an expansion. Enclosed please find our latest comments in the form of a comment response table, dated January 31, 2017 in response to latest correspondence from Ridge dated January 11, 2017. Of significance, please note the following:

- We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.
- Species at risk are of high importance to WIFN. If the preference is to not place this list in the ToR, please provide directly to WIFN the list of species.
- More detailed workplans should be part of the review. It is in everyone's interest to ensure that appropriate methodologies are being used prior to the commencement of survey work. Including these details at the EA stage is too late as survey work will have already been completed.

If you require additional information, please feel free to contact the undersigned.

Yours truly,

Neegan Burnside Ltd.



Kent Hunter
Project Engineer
KH:js

Enclosure(s)

cc: Jared Macbeth, WIFN (Via: Email)

No.	Comment and Rationale – Neegan Burnside – December 16, 2017	Response – Progressive Waste – January 11, 2017	WIFN/Neegan Burnside Reply – January 31, 2017
General Comments on Terms of Reference			
1	<p>On page 50 of the TOR, under Indigenous Communities Engagement, the proponent states;</p> <p><i>After a thorough review, it has been determined that the Project falls within the McKee Treaty (1790) and all claims by area First Nations have either been dealt with or have been surrendered at the time of treaty signing. The existence of a Métis claim of rights in southwestern Ontario has not met with any success in the courts.</i></p>	<p>This information was added to the TOR as a result of comment received from the MOECC during the review of the draft TOR.</p>	<p>Noted.</p>
	<p>This infers that no additional engagement is required. However, the existing landfill and expansion area are located within the Traditional Territory of the WIFN. Within its Traditional Territory, WIFN asserts the rights to hunt, fish and trap, to harvest plants for food and medicine, to protect and honour burial sites and other sacred and culturally significant sites, to sustain and strengthen its spiritual and cultural connection to the land, to protect the Environment that supports its survival, to govern itself, and to participate in all governance and operational decisions about how the land and resources will be</p>	<p>The intention of this paragraph was not to suggest that additional consultation isn't required – but was to note the status of treaties, and the possibility of a requirement to consult with the Metis Nation. PWS along with the MOECC and our Indigenous Communities engagement specialist, John Beaucage, identified a long list of those First Nations and Metis with interests in the Ridge as it relates to Traditional Territory and the rights asserted as described here. This formed the basis for notifications and consultation initiatives with Indigenous Communities. PWS has made a commitment to consultation with Indigenous Communities throughout the EA process,</p>	<p>It is acknowledged that this was added at the request of the MOECC. However, it should be noted that WIFN adamantly does not agree with the statement and they request that the Terms of Reference reflects their objection.</p>

No.	Comment and Rationale – Neegan Burnside – December 16, 2017	Response – Progressive Waste – January 11, 2017	WIFN/Neegan Burnside Reply – January 31, 2017
	<p>managed, used and protected (WIFN Consultation and Accommodation Protocol). First Nation consultation is a legal requirement and does not just apply to treaty and land claims resolution. We recommend that this paragraph be removed.</p>	<p>including Walpole Island First Nation.</p>	
	<ul style="list-style-type: none"> Table 6 indicates that during the EA, Indigenous communities will be consulted through letters which will be sent at key points in the project. WIFN is often inundated with large quantities of correspondence. Each letter should be followed-up with phone calls at a minimum to ensure that the correspondence has been received. It is recommended that the proponent refer to the WIFN Consultation and Accommodation Protocol and follow its guidelines. The TOR should include documentation to indicate that the Protocol will be followed. 	<p>As part of PWS commitment to ongoing consultation with Indigenous Communities, PWS will follow consultation laws, guidelines and protocols from Walpole Island First Nation, and others.</p>	<p>Accepted. Use of the WIFN Consultation Protocol is much appreciated.</p>
	<ul style="list-style-type: none"> The Site Plan shown in the TOR is very conceptual, and a better plan showing topography, well location and overall features would assist a reader in understanding the site. 	<p>The Site Plan provided in the Terms of Reference is intended to be conceptual for clarity and ease of understanding to the ToR readers. Site plans to be provided in the EA will include additional details such as</p>	<p>A technical reviewer is hampered by lack of basic site information. The site plan from the annual monitoring report should be made available in the TOR.</p>

No.	Comment and Rationale – Neegan Burnside – December 16, 2017	Response – Progressive Waste – January 11, 2017	WIFN/Neegan Burnside Reply – January 31, 2017
		topography and other features.	
	<ul style="list-style-type: none"> The landfill currently receives waste from the industrial, commercial and institutional sectors from across southern Ontario. It receives residential waste from the Municipality of Chatham-Kent and Counties of Essex, Lambton, Middlesex and Elgin. However, the plan indicates that the intention is to expand the receiving area of residential waste to all of southern Ontario. Progressive has indicated that they do not intend to receive waste from large cities such as Toronto or London. However, by identifying all of southern Ontario as a receiving area, they do open up that possibility. Please provide clarification as to why all of southern Ontario is included. 	<p>PWS’s service area for ICI waste is currently all of Ontario and PWS is seeking the same service area for residential waste. PWS is currently permitted to receive residential waste from the specified municipalities but in fact only receives waste from Chatham-Kent. PWS is seeking an expansion of the service area for residential waste to accommodate future waste disposal needs identified for Southern Ontario and to maximize use of the Ridge Landfill’s annual capacity should ICI waste flows decrease.</p> <p>PWS has no current plans to accept residential waste from major city centres such as Toronto or London who have their own existing long-term landfill capacity. Receipt of residential waste from any municipality will only occur through formal municipal procurement processes seeking disposal capacity and subsequent award to PWS from those bidding processes when and if they should occur.</p>	Satisfied with response
	<ul style="list-style-type: none"> How will the cumulative effects assessment be undertaken? A general methodology should be provided. 	The Code of Practice for preparing Environmental Assessments in Ontario requires that proponents include information about potential cumulative effects of the	The Code of Practice recommends use of the Cumulative Effects Assessment Practitioner’s Guide (CEAA, 1999) as a useful resource. We also recommend

No.	Comment and Rationale – Neegan Burnside – December 16, 2017	Response – Progressive Waste – January 11, 2017	WIFN/Neegan Burnside Reply – January 31, 2017
		<p>project in combination with past, present and reasonably foreseeable future activities where possible. The cumulative impact assessment to be undertaken as part of the EA will include:</p> <ul style="list-style-type: none"> • Identifying the potential effects of the undertaking at Ridge. • Identifying planned projects in the vicinity of Ridge through contact with Chatham-Kent, regulatory agencies and others. • Qualitatively assessing the potential for effects from the Ridge to interact with potential effects of other projects resulting in cumulative impact on the environment. 	<p>use of this guide. We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.</p>
Work Plan Review			
2.1.1	Agriculture		
	<p>We have no comments on this work plan. Please see comments under Surface Water regarding Municipal drains.</p>	<p>No response required.</p>	<p>N/A</p>
2.1.2	Air Quality		
	<p>There is no mention of odour in the Air Quality portion of the work plan. It is mentioned in other places in the document (e.g., Socio-Economic work plan) but should</p>	<p>The air quality technical assessment work for this project will include an assessment of off-site odour for the preferred site development alternative. This assessment will characterize</p>	<p>Accepted.</p>

No.	Comment and Rationale – Neegan Burnside – December 16, 2017	Response – Progressive Waste – January 11, 2017	WIFN/Neegan Burnside Reply – January 31, 2017
	<p>be included in the Air Quality portion of the plan.</p>	<p>potential odour impacts resulting from the expansion as high, medium or low. Where necessary mitigation will be identified to minimize odour.</p> <p>In addition, as part of developing the site development alternatives, a review of other experience at landfill mining operations related to odour will be undertaken.</p>	
<p>2.1.3</p>	<p>Cultural Resources and Archaeology</p>		
	<p>WIFN will provide comments once the Stage 1 Archeological assessment has been completed and will also request a meeting with the archaeologist.</p>	<p>PWS welcomes any comment concerning the archaeological finds, if any, in the area in question. A meeting will be arranged once the assessment has been completed.</p>	
<p>2.1.4</p>	<p>Aviation</p>		
	<p>The work plans set out in the TOR for the Aviation and Bird Hazard Assessment are generally adequate. However it should be noted that, regardless of Ridge Landfill's current zoning exemption (i.e., lands around the airport are zoned for obstruction clearances and bird hazard protection under the Aeronautics Act, 1985), the following must be considered to determine what enhancements may be required to the existing bird hazard assessment and control</p>	<p>The proposed work to be completed during the EA for both aviation and bird hazard assessment will consider the appropriate documents and guidelines from Transport Canada and other sources, as applicable. It is noted that during the landfill expansion EA in 1997, the results of the bird hazard and aviation assessments were that a bird management plan be implemented at the Ridge Landfill to reduce risks to operations at the airport. A bird management plan has</p>	<p>The 'appropriate documents and guidelines' should consider the detailed items noted in our comments. We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.</p>

No.	Comment and Rationale – Neegan Burnside – December 16, 2017	Response – Progressive Waste – January 11, 2017	WIFN/Neegan Burnside Reply – January 31, 2017
	<p>plan to allow for an extension of this exemption:</p> <ul style="list-style-type: none"> • Using the Appendix B (Airport Bird Hazard Risk-Assessment Process) of the Airport Wildlife Management Bulletin No. 38 (Transport Canada, Fall 2007), and given that the Chatham-Kent Municipal Airport is capable of accommodating commercial aircraft, the Ridge Landfill falls within the “Primary Bird Hazard Zone”, “Category B Event Zone”, and “Secondary Bird Hazard Zone”. Bird Hazard Zones must be plotted. Given that Ridge Landfill is a putrescible waste landfill, it is classified as a High-Risk land- use. The following statement applies: “high-risk land-use, in particular, must be aggressively managed [and mitigated] to reduce safety risks to aircraft operations” (Transport Canada, Fall 2007). Therefore, since this land-use is deemed “inappropriate” by Transport Canada standards, risks associated with the expansion of the Ridge Landfill must be actively mitigated and regularly evaluated/modified when require • Table 2 in Appendix B of the Airport Wildlife Management Bulletin No. 38 (Transport Canada, Fall 2007) should be reviewed to determine the level of risk 	<p>been executed since that time. The potential risks to aviation and the bird management plan will be revisited as part of this current EA and will form part of the final recommendations of the aviation and bird hazard assessments presented in the EA.</p>	

No.	Comment and Rationale – Neegan Burnside – December 16, 2017	Response – Progressive Waste – January 11, 2017	WIFN/Neegan Burnside Reply – January 31, 2017
	<p>associated with species of bird typically found in the vicinity of the Airport. Typical flight paths of birds that are frequently present in the vicinity of the airport should be assessed to help determine specific mitigation measures. Particularly, birds frequently flying below 1,500 feet AGL (above ground-level) should be given priority, since the critical phases of aircraft flights occur within this altitude (i.e., takeoff, initial climb, landing, approach and missed approach).</p> <ul style="list-style-type: none"> • In order to determine specific mitigation measures to minimize hazards, the following documents should be referenced (available online): <ol style="list-style-type: none"> 1) Safety Above All – A coordinated approach to airport- vicinity wildlife management (Transport Canada, 2012). 2) TP 13029 – Evaluation of the Efficacy of Products and Techniques for Airport Bird Control (Transport Canada, 1998). 3) TP 11500 E – Wildlife Control Procedures Manual (Transport Canada, 2002) 4) TP 13549 E – Sharing the Skies – An Aviation Industry Guide to the 		

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	<p>Management of Wildlife Hazards (Transport Canada). 5) TP 1247 E – Land Use in the Vicinity of Aerodromes Ninth Edition (Transport Canada, 2013).</p>		
2.1.5	Biology		
	<p>1. It is noted that 15 Endangered or Threatened species have the potential to be present. The actual species should be listed so it can be determined whether the proposed surveys are appropriate and sufficient to address each species and that appropriate protocols for data collection are followed.</p>	<p>It is the preference of the MNRF that lists of Species at Risk are not provided in public documents. The surveys and data collection required will be completed in consultation with the MNRF and will be undertaken in accordance with MNRF protocols and industry best practices.</p>	<p>Species at risk are of high importance to WIFN. If the preference is to not place this list in the ToR, please provide directly to WIFN the list of species. Please indicate when the workplans will be available for review.</p>
	<p>2. Species specific survey protocols should be identified including the reviewing agency, the name of the protocol, survey methods, timing, in field conditions required for surveys, etc., e.g. Ecological Land Classification (1998 Lee, H., et. al.), Breeding Bird surveys (Bird Studies Canada) and wetland identification and delineation (Ontario Wetland Evaluation System –</p>	<p>Surveys for Ecological Land Classification, Breeding birds and wetland delineation will be undertaken in accordance with MNRF requirements and industry best practices. Details as to protocols followed, agencies having authority, etc. will be provided in the EA.</p>	<p>The TOR sets the framework for completion of the EA. As such, we believe that protocols to be used should be specified in the TOR. It is in everyone's interest to ensure that appropriate protocols are being followed prior to the commencement of fieldwork. Including these details at the EA stage is too late as fieldwork will have already been completed.</p>

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	MNRF).		
3.	We recommend that the significance of each natural feature (as identified in the Provincial Policy Statement 2014, Section 2.1) in the on- and off-site study areas be determined using provincial criteria (including the Significant Wildlife Habitat Ecoregion 7E Criteria Schedule (MNRF, 2015), as well as local criteria (e.g., local Official Plan).	The significance of natural features will be determined based on MNRF and planning protocols, including the Provincial Policy Statement (PPS) and Significant Wildlife Ecoregion Schedules. This will be documented in the EA.	Accepted. We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.
4.	WIFN staff may wish to participate in ecological survey work. The TOR should indicate that WIFN staff will be contacted and given the opportunity to participate.	While the majority of the Ecological Land Classification work was completed in 2016, PWS will keep WIFN and other Indigenous Communities apprised of the field work scheduling as the EA progresses in 2017. PWS will discuss participation in EA field studies with WIFN.	Accepted. Two weeks advance notice would be appreciated before commencement of fieldwork.
5.	Table 3: “Alternatives To Evaluation Criteria for Potential Impacts to the Natural Environment” is very general. The Criteria includes “potential for impact on natural features and potential for impacts on groundwater, surface water and air quality”. This should be expanded to include “Potential impacts to plant species and communities,	The “Alternatives To” evaluation was undertaken using criteria appropriate to the types of alternatives being considered. We note that given the alternatives being considered, revising the criteria as suggested would not change the outcome. The suggestions will be considered in refinements to the proposed criteria for the	Accepted. WIFN may wish to have the opportunity to comment on the updated criteria as early as possible in the EA process. Please contact WIFN when updated criteria are available.

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	wildlife species and populations, wildlife habitat and Species at Risk (SAR). Current criteria ignore wildlife”.	evaluation of site development alternatives (Table 2B, Appendix B in the TOR, and the draft impact assessment criteria (Table 5 in the TOR). These criteria will undergo further consultation early in the EA process and these suggestions will be considered at that time.	
6.	<p>The proposed criteria that will be used to evaluate the various Alternative Methods for landfill expansion should also include:</p> <ul style="list-style-type: none"> • Potential loss of habitat of Endangered and Threatened species; and, • Potential loss of medicinal or other culturally sensitive species of importance to First Nations groups such as WIFN. 	We will consider these criteria suggestions in the EA during the evaluation of alternative methods and the impact assessment of the preferred alternative method. We request that WIFN provide a list of plant or other culturally important species so that these can be considered as part of the EA.	All native species have relevance to WIFN as the integrity of the entire ecosystem is a priority for the First Nation.
7.	Compensation should be established early in the process. Conversations are needed to assess the appropriate ratios, and plans presented in the ToR (Figure 12) may be inadequate in terms of compensation areas. Offsite mitigation areas could be used if necessary.	Preliminary habitat compensation discussions have occurred with the Lower Thames Valley Conservation Authority, Chatham-Kent and the MNR with respect to on-site and off-site compensation areas. These conversations will continue in a meaningful way once the preferred site development alternative method has been determined.	Please keep WIFN apprised of any compensation discussions and requirements.

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2.1.6	Bird Hazard Assessment		
	Additional details should be provided with respect to the survey protocols, time of year, time of day, survey locations, etc. How will bird hazards be assessed (i.e., what criteria/guidelines will be used to determine whether a bird hazard exists)? How will the results be presented?	The TOR presented an overview of the technical studies to give the reader an overall understanding of the work to be undertaken and was not intended to provide specific details for each discipline. These will be confirmed during the EA and we would be pleased to provide more details to WIFN including survey protocols at that time.	We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.
2.1.7	Design and Operations Plan		
	Figure 12 of the TOR indicates 3 possible landfill configurations. However during the site visit it was indicated that the solution may involve a combination of these configurations (e.g., A and B, or B and C). This is not clearly explained in the document. Please clarify which options would be evaluated.	There are several ways the landfill could be expanded, and these include lateral expansion areas (denoted as A, B and C on Figure 12 in the TOR), vertical expansion of current waste areas (e.g., the Old Landfill), and landfill mining. As noted in Section 5.2.2.1 of the TOR, individually these approaches do not provide the capacity required for the 20-year expansion of the landfill. As such, during the EA, the approaches to expansion listed in the TOR will be combined to create specific site development alternatives for consideration. The specific site development alternatives will be presented for consultation during the EA.	Satisfied with response.

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	<p>It should be noted that designs should be developed to existing standards. Grandfathering of a methodology, or saying that this is acceptable because it is how it was always done, is not appropriate.</p>	<p>Site development alternatives will be developed to applicable standards and guidelines and will consider the history of the site, as appropriate. As noted the alternatives will be presented for consultation during the EA.</p>	<p>Satisfied.</p>
	<p>It is assumed that the site development will involve new stormwater ditches and surface water ponds, and these should be developed to a conceptual level such that any impacts can be assessed.</p>	<p>The conceptual design/locations for stormwater management will be incorporated into the site development and the impact assessment of the preferred alternative.</p>	<p>Satisfied.</p>
<p>2.1.8</p>	<p>Geology/Hydrogeology</p>		
	<ul style="list-style-type: none"> A current site plan showing the existing groundwater and surface water monitoring network should be added to the Work Plan. 	<p>Information on the existing ground and surface water monitoring network is available as part of the Ridge Annual Report which is submitted to MOECC. A copy of the figure from the 2015 Annual Report is attached. This information will be included in the EA.</p>	<p>We did not receive the figure. Please provide.</p>
	<ul style="list-style-type: none"> Water levels are to be measured in the proposed new monitoring wells. An indication of frequency and duration of the monitoring should be added to the Work Plan. 	<p>It is anticipated that water levels will be collected on five occasions over a period of 10 months; however timing will be weather-dependent.</p>	<p>Accepted.</p>

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	<ul style="list-style-type: none"> The Impact assessment analysis should include preparation of to-scale technical cross- sections that show the relationship between the geology, the waste, the leachate collection system, surface water features and the monitoring network. 	Technical cross-sections and a discussion on the relationships between geology, waste, leachate collection and surface water features will be included as part of the EA.	We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.
	<ul style="list-style-type: none"> The impact assessment should include a thorough outline of the current monitoring and evaluation of the historical monitoring data. 	This information will be summarized as part of the EA.	We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.
2.1.9	Noise		
	The Noise Work Plan as currently outlined is adequate.	Comment noted.	Accepted
2.1.10	Socio-Economic		
	<ul style="list-style-type: none"> It is stated that information will be collected concerning the use and enjoyment of residential properties and potential effects to businesses. It should be stated how this information will be collected (e.g., door-to-door survey). Standards should be stated (i.e., what will 	An in-person survey of residents and businesses within 1 km and along the haul route is proposed to collect information related to the use and enjoyment of property. More specific details on data collection methodology will be documented in the EA.	The TOR sets the framework for completion of the EA. As such, we believe that protocols/methodology to be used should be specified in the TOR. It is in everyone’s interest to ensure that appropriate methodologies are being used prior to the commencement of survey

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	<p>be considered a statistically valid sample?). Will all properties within the 1 km radius and along the haul route be included?</p>		<p>work. Including these details at the EA stage is too late as survey work will have already been completed.</p>
2.1.11	Surface Water		
	<p>Additional details about the water sampling protocol would be helpful, including the timing, number of samples, preliminary location of sampling stations, equipment to be used, etc.</p>	<p>The TOR presented an overview of the technical studies to give the reader an overall understanding of the work to be undertaken and was not intended to provide specific details for each discipline. These will be confirmed during the EA and we would be pleased to provide more details to WIFN at that time.</p>	<p>We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.</p>
	<ul style="list-style-type: none"> WIFN staff may wish to participate in the surface water sampling work. The TOR should indicate that WIFN staff will be contacted and given the opportunity to participate. 	<p>PWS will keep WIFN and other indigenous communities apprised of the field work scheduling as the EA progresses in 2017. PWS will discuss participation in EA field studies with WIFN.</p>	<p>Satisfied.</p>
	<ul style="list-style-type: none"> The Surface Water Work Plan should address the on-site drains in regards to the <i>Drainage Act</i>. 	<p>The surface water technical studies will include the assessment of on-site drains and requirements under the <i>Drainage Act</i>, as needed. PWS will also consult with the Municipality of Chatham-Kent for <i>Drainage Act</i></p>	<p>We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.</p>

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		requirements as they pertain to planning approvals.	
	<ul style="list-style-type: none"> It should be confirmed if the on-site drains are Municipal Drains under the Drainage Act. If they are, any changes to location, width or depth must be made under Section 78 of the Act. The design capacity will have to be considered if site development alters the stormwater input. 		Please clarify is the consultant saying (above) that these are Municipal Drains regulated under the Drainage Act.
2.1.12	Transportation		
	<ul style="list-style-type: none"> The forecasted site trips and distribution of these trips should take into consideration any anticipated modification to the market services, including increased diversion processing that may occur on site. 	The transportation impact assessment of the undertaking will consider anticipated traffic associated with any additional diversion occurring at the site confirmed through the EA process.	We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.
	<ul style="list-style-type: none"> The TOR identifies the study of only one haul route (i.e., between the site and Highway 401). The study should expand to include other haul routes, depending on the potential for significant traffic or environmental sensitivity along such 	As part of the 1997 EA, alternative haul routes were evaluated and the currently designated route was identified as the preferred haul route. This process was subject to review and comment from the public and the Municipality of Chatham-Kent and formed part of the	We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.

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	<p>routes.</p>	<p>approved EA. The designated haul route has functioned well since that time.</p> <p>This proposed expansion does not change the annual waste tonnage the site can receive for disposal. Given this and the safe function of the designated haul route, PWS does not intend to change it for this landfill expansion, but will complete an impact assessment of the haul route.</p>	
	<ul style="list-style-type: none"> The TOR proposes to assess the safety along the haul route but does not identify the need to establish baseline collision data along these routes. Baseline collision data should be established along these routes and analyzed as part of the overall safety assessment. 	<p>Baseline collision data will be considered and analyzed as part of the overall safety assessment during the EA.</p>	<p>Acknowledged. We assume that all comments incorporated in your table of January 11, 2017 will be part of the Environmental Assessment process.</p>
<p>2.1.13</p>	<p>Visual</p>		
	<p>We agree that the off-site study area should be expanded beyond 1 km as per Section 4.3. We suggest that the areas identified as having been impacted previously be included in the discussion of mitigation measures to determine the results of previously used strategies in reducing impacts off-site.</p>	<p>We will consider this as part of the EA.</p>	<p>Satisfied. Please note: We expect to see this included in the Environmental Assessment.</p>

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	<p>Neegan Burnside has no concerns with the proposed approach to identifying areas of concern and identifying appropriate screening plans.</p> <p>Neegan has however identified the following items for consideration by the proponent during the development of any required mitigation measures:</p>		
	<ul style="list-style-type: none"> With regards to consideration of mitigation measures we request additional information on the proposed type of soils (i.e., clean fill, sourced on-site from excavation, contaminated fill, etc.) for any berm proposed for the site. 	<p>All perimeter berms on site are constructed with on-site soils.</p>	<p>Satisfied.</p>
	<ul style="list-style-type: none"> With regards to landscape planning we suggest that native species and/or beneficial plantings (such as species favoured by pollinators) be considered during the planning process. 	<p>Native species (as is current practice at the Ridge) and beneficial plantings (such as species favoured by pollinators) will be considered for visual screening in the EA.</p>	<p>Satisfied.</p>
	<p>The need for landfills, and landfill expansion, is recognized. It is WIFN’s intent to promote best practices in resource management throughout its Traditional Territory. To that end, WIFN should continue to be involved in the TOR and EA and be kept informed of</p>	<p>PWS is committed to ongoing consultation with WIFN, other Indigenous Communities, and other agency, public and business stakeholders as part of the EA. This will include updates/changes to the project as the</p>	<p>Satisfied.</p>

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	any responses or updates stemming from these comments or the comments of other agencies and stakeholders.	EA process continues.	

Mr. Jared Macbeth
Project Review Coordinator
External Projects Program
Walpole Island First Nation
2185 River Road North R. R. 3
Wallaceburg, ON N8A 4K9

jared.macbeth@wifn.org

Thank you for your letter dated February 1, 2017 with your comments related to the comment/response table PWS provided on January 11, 2017 on the matter of the Ridge Landfill final Terms of Reference (ToR). As per your cover letter there were three points where additional clarification was warranted:

- PWS confirms that the comments we had included in the January 11, 2017 table will be part of the Environmental Assessment process.
- PWS understands the importance of Species at Risk to WIFN. As noted in their response, this is information that MNRF prefers not to include in public documents. PWS will work with WIFN to liaise with MNRF regarding the provision of this information.
- PWS will continue to work with WIFN through the MOECC ToR review and approval timeline and early in the EA process to provide more detail on the methodologies and protocols for species surveys and socio-economic surveys in advance of the undertakings. The level of detail requested by WIFN is beyond the scope of a ToR required by the MOECC but is required as part of the EA process.

PWS will continue to meet and work with WIFN to provide other more detailed information requested that is also beyond the scope of a ToR.

It is also noted that WIFN expressed concerns with the following statement in the ToR:

After a thorough review, it has been determined that the Project falls within the McKee Treaty (1790) and all claims by area First Nations have either been dealt with or have been surrendered at the time of treaty signing. The existence of a Métis claim of rights in southwestern Ontario has not met with any success in the courts.

PWS has had further discussions with MOECC and this statement has been removed from the ToR. The following text, at the request of the MOECC has instead been added to the end of section 6.1.1 in the TOR: “PWS commits to continuing to engage and consult with the communities listed above, during the development of the EA. For a record of all correspondence, meetings, and engagement with Indigenous Communities during the ToR development, see attached Record of Consultation.”

Lastly, please find the attached site plan figure that PWS had intended to provide in the response to comments on January 11, 2017.

Our intent is to submit the Final amended Terms of Reference on February 9th, 2017 to the MOECC. PWS would like to meet to discuss the matters above as they relate to the provision of more detailed information and to develop a joint strategy moving forward with respect to future information provision and ongoing input from WIFN.

We look forward to continuing to work with you as this project unfolds. If you have any questions or would like to set up a meeting please call me at 705-746-0638 or by email at jbeaucage@counselpa.com or call Cathy Smith at PWS at 519-358-2860 or by email at cathy.smith@progressivewaste.com.

Sincerely,



John Beacauge, Principal

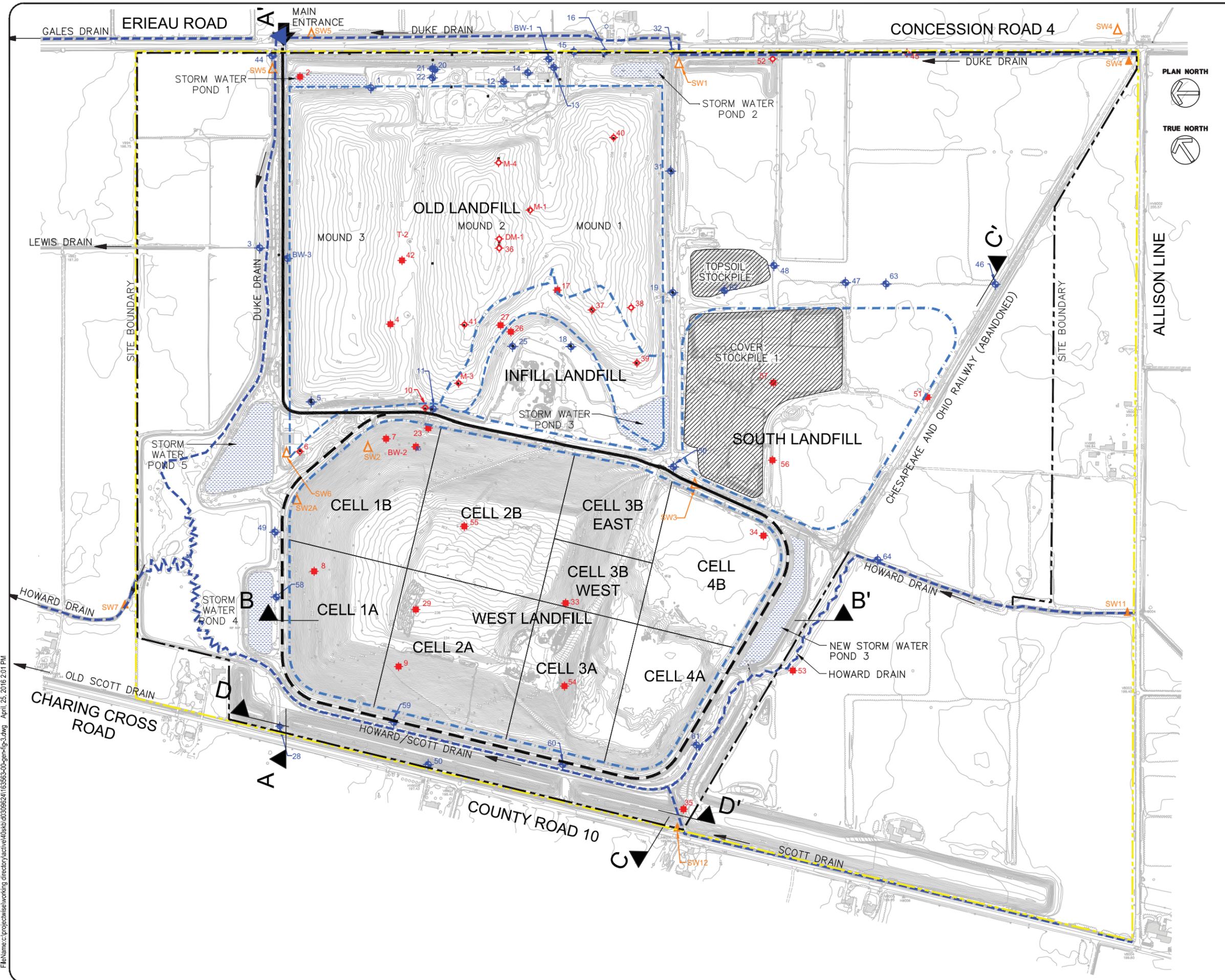
cc: Dean Jacobs, Walpole Island First Nation

Cindy Batista, Ministry of Environment and Climate Change

Nisha Shirali, Ministry of Environment and Climate Change

Cathy Smith, Progressive Waste Solutions

Kent Hunter, Neegan Burnside



Legend:

- PWS OWNED PROPERTY LIMIT
- SITE BOUNDARY
- MAIN ACCESS ROAD
- PERIMETER ROAD
- ACTIVE DRAIN
- DRAIN FLOW DIRECTION
- APPROVED LIMIT OF FILL FOR EXISTING LANDFILL
- APPROVED LIMIT OF FILL FOR EXPANSION
- ◆ 46-1 ACTIVE MONITORING WELLS
- ◆ 51-A NOT ACTIVE MONITORING WELLS
- ◆ 37-1 REMOVED MONITORING WELLS
- ▲ SW7 SURFACE MONITORING LOCATIONS
- ▲ SW5 RETIRED SURFACE MONITORING LOCATIONS
- A A' HYDROGEOLOGIC CROSS SECTION (TYP.)

NOTES: MAPPING AND CONTOURS PREPARED BY BASE MAPPING, FLOWN APRIL 4, 2015

PROGRESSIVE WASTE SOLUTIONS CANADA INC.
 RIDGE LANDFILL - BLENHEIM, ONTARIO

LOCATION OF MONITORING WELLS AND SAMPLING STATIONS

0 100 200 300 400m
 SCALE = 1:8000

Project No: 16-3563	Designed By:
Project Manager: FRG	Drawn By: SKB
Location: PW/2016/163563/	Checked By: FRG/MMP
File Name: 163563-00-GEN-FIG-3.dwg	Date Issued: APRIL 2016

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