

August 2019



**Proposed Terms of Reference
Environmental Assessment of the
Township of North Dundas
Waste Management Plan**

Volume 3

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Volume 3 – Record of Consultation

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Community Engagement Plan



**Environmental Assessment for the
Proposed Expansion of the Boyne Road Landfill**

Community Engagement Plan

November 2016

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1.0 BACKGROUND

In accordance with the Ontario Environmental Assessment Act (the Act), the environmental assessment (EA) process is an open, transparent decision-making process that considers the potential environmental effects (both positive and negative) of a proposal before proceeding. Consultation and engagement are key components to this process.

The following document provides the proposed framework for engagement, specifically as it relates to the EA for the proposed expansion of the Boyne Road Landfill (the Project) in the Township of North Dundas, Ontario. This framework was developed in accordance with the Code of Practice: Consultation in Ontario's Environmental Assessment Process (MOECC 2014). This plan is intended to be a progressive and adaptable document that evolves throughout the EA process.

2.0 KEY TERMINOLOGY

Term	Definition
Engagement (sometimes referred to as consultation)	A two-way communication process that is intended to: <i>"identify concerns; identify relevant information, identify relevant guidelines, policies and standards; facilitate the development of a list of all required approvals, licenses or permits; provide guidance to the proponent about the preparation of the terms of reference (TOR) and EA; ensure that relevant information is shared about the proposed undertaking; encourage the submission of requests for further information and analysis early in the EA process; enable the ministry to make a fair and balanced decision"</i> (MOECC 2014)
Government Review Team (GRT)	Public sector staff from government ministries and agencies who contribute to the EA process. This includes: federal, provincial (including Conservation Authorities) and municipal levels (MOECC 2014). The initial list of GRT members is initially provided by the Ministry of Environment and Climate Change (MOECC) and is further refined throughout the EA process
Indigenous communities (also referred to as Aboriginal or First Nation groups, depending on the specific context)	The <i>Constitution Act, 1982</i> specifies that Aboriginal peoples include Indian, Inuit and Métis peoples of Canada. Each of these groups are considered separate peoples with unique heritages, languages, cultural practices and spiritual beliefs (AANDC 2012)

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Term	Definition
The Ministry (or Minister)	The MOECC
The Proponent	The Township of North Dundas (the Township)
Stakeholders	Any individual or organization with an interest in a particular undertaking, including but not limited to: surrounding land owners, environmental groups, local organizations and associations and Aboriginal peoples. Interested persons (sometimes referred to as stakeholders) are not required to demonstrate that they will be directly impacted by a proposal (MOECC 2014)

3.0 PRINCIPLES OF ENGAGEMENT

The engagement methods outlined below are intended to collect and disseminate information, stimulate discussion, and invoke participation in the EA process while developing and maintaining positive, constructive relationships. The process is intended to encourage stakeholder and GRT participation and input, and appropriately consider that input in decision- making during the EA process.

The following principles were developed to guide this engagement plan:

- Inlusiveness – Implement a range of opportunities for engagement (e.g., semi-structured open houses, as well as feedback options over the phone or via email);
- Clarity – Be clear about the intended outcomes of an engagement opportunity;
- Accessibility – Ensure all public materials and public venues are in compliance with the Accessibility for Ontarians with Disabilities Act;
- Balance – Give serious consideration to all input received as part of any decision-making process;
- Transparency – Share information in an open, transparent and accessible manner;
- Timeliness – Initiate engagement efforts well in advance of decisions and provide stakeholders with reasonable timeframes for input; and,
- Completeness – Inform stakeholders of the final decision and results.

4.0 KEY STAKEHOLDERS

There are proposed to be three groups of key stakeholders for the Project:

- GRT members;
- Indigenous communities; and
- Other interested persons.

The roles and responsibilities for each of these groups is further discussed in Section 6.0 below.

4.1 Government Review Team Members

It is expected that the MOECC will provide the proponent with a standardized and current list of GRT members. This initial distribution list will be reviewed and refined in the context of the proposed Project. Where there is no potential overlap between the Project and the mandate of a specific GRT member, they will be excluded from engagement activities. All other GRT members will remain on the distribution list for the Project until such a time as they request to be removed.

4.2 Indigenous Communities

The MOECC will be consulted early in the Project planning process to confirm which Indigenous communities should be notified about the Project.

4.3 Other Interested Persons

At this time, there are no known local community associations, organizations or clubs with a potential interest in the Project. Information will be shared with local residents across the Township. Should any specific persons or groups identify an interest, they will be added to the Project distribution list.

5.0 METHODS FOR ENGAGEMENT

A multi-modal approach to engagement is proposed for this Project. Interactions with key stakeholders will be ongoing throughout the EA process; however, there will also be semi-structured events designed to optimize engagement of potentially interested parties. The engagement activities proposed consist of the following:

- Letter and email distribution of public notices (including but not limited to the Notice of Commencement (NOC) for the ToR and the NOC for the EA);
- Publication of notices in the local newspaper(s) and on social media;
- Development and maintenance of a Project website;
- Formal or informal meetings with Indigenous communities (as required);
- Council presentations (if required, one for each of the ToR and EA phases);

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- Public open houses (proposed to be two events during the ToR phase and two events during the EA phase of the EA process);
- Informal meetings, telephone calls and discussions with local politicians, business owners, community organizations, and any other interested persons throughout the EA process.

The proposed schedule for each of the proposed public open houses are depicted on Figure 1.

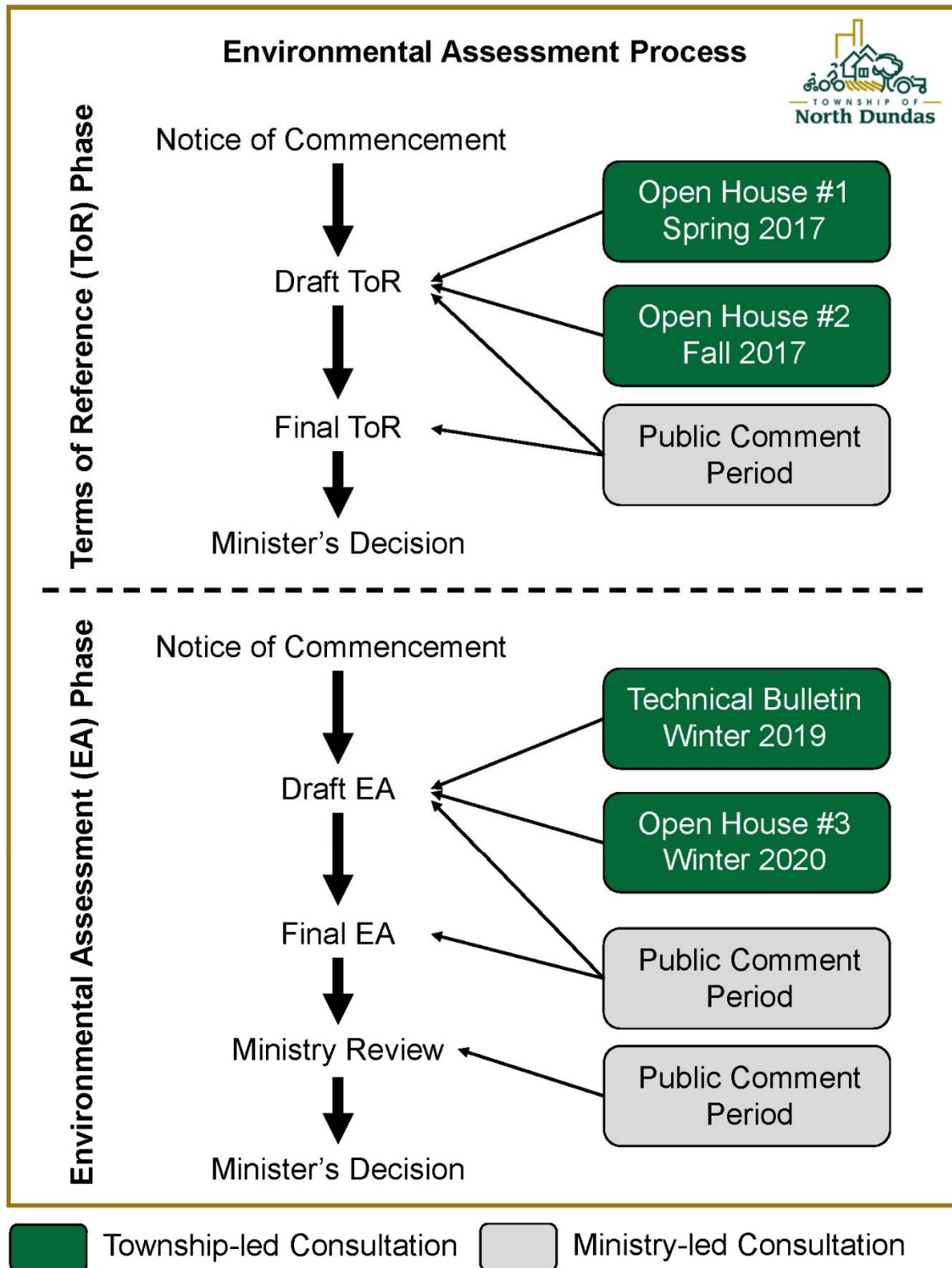


Figure 1: Proposed Schedule of Engagement Activities

6.0 ROLES AND RESPONSIBILITIES

- Ministry – The administrative branch of the MOECC ensures that proponents meet the requirements of the Act, while technical reviewers within the MOECC ensure that proponents have adequately considered the Ministry’s mandate and requirements (MOECC 2014). The core responsibilities of the Ministry (as a whole) are as follows:
 - 1) Review of information compiled by the proponent (including the contents of the Consultation Record that accompany each of the ToR and EA)
 - 2) Provide consistent information and guidance within their mandate area;
 - 3) Provide timely and constructive input that facilitates good decision-making;
 - 4) Encourage and facilitate the resolution of outstanding concerns;
 - 5) Coordinate reviews by the GRT;
 - 6) Lead consultation with stakeholders on the documents submitted to the Ministry for formal approval; and,
 - 7) Maintain the public record file.
- Proponent – In accordance with Section 5.1 of the Act, a proponent is responsible to “consult with such persons as may be interested” in a Project. At a minimum, the proponent must consult with stakeholders once during the ToR phase and twice during the EA phase (MOECC 2014). The core responsibilities of the proponent are as follows:
 - 1) Design and implement a consultation plan;
 - 2) Identify and undertake meaningful consultation with stakeholders;
 - 3) Keep participants informed; and,
 - 4) Document how input from stakeholders was incorporated into the decision making process.
- **Stakeholders (GRT)** – Are invaluable resources throughout the EA process. Their responsibilities are different from other stakeholders as they are public servants with defined mandates (MOECC 2014). The core responsibilities of the GRT are as follows:
 - 1) Provide consistent information and guidance within their mandate area;
 - 2) Provide timely and constructive input that supports good decision making; and,
 - 3) Participate in the Ministry review and provide comments within the specified or regulated timelines.

- **Stakeholders (Indigenous Communities)** – Are an important source of information and a key stakeholder in the decision-making process for a Project. The core responsibilities of Indigenous communities are as follows:
 - 1) Identify an appropriate point of contact and communicate any community-specific engagement plans;
 - 2) Identify any Aboriginal claims and communicate any Aboriginal or treaty rights that could be impacted by the Project;
 - 3) Openly share information that might be relevant to the Project; and,
 - 4) Provide timely and constructive input that supports good decision-making.
- **Stakeholders (Interested Persons)** – Are an important source of local information and a key stakeholder in the decision-making process for a Project. The core responsibilities of interested persons are as follows:
 - 1) Indicate an interest in the Project and participate in consultation opportunities;
 - 2) Openly share information that might be relevant to the Project; and,
 - 3) Provide timely and constructive input that supports good decision-making.

7.0 RECORD OF CONSULTATION

All notices, publically posted materials, consultation events and correspondence with the GRT, Indigenous communities and stakeholders will be maintained as part of the public record for the project. Relevant information will be compiled and presented in the Consultation Record submitted to the Ministry as part of each of the ToR and EA.

7.1 Personal Information

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

8.0 REFERENCES

Aboriginal Affairs and Northern Development Canada (AANDC). 2012. Aboriginal Peoples and Communities: Terminology. Available from: <http://www.aadnc-aandc.gc.ca/eng/1100100014642/1100100014643>. Last accessed Nov 18, 2016.

Ministry of Environment and Climate Change (MOECC). 2014. Code of Practice: Consultation in Ontario's Environmental Assessment Process. Available from: <https://www.ontario.ca/document/consultation-ontarios-environmental-assessment-process>. Last accessed July, 2014.

APPENDIX B

Government Review Team

Environmental Assessment Government Review Team Master Distribution List

**Including Agency Contacts for Information into Environmental Assessment
Planning Matters**

**Environmental Assessment Services
Environmental Approvals Branch
Ministry of the Environment and Climate Change**

November 2016



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Key Guidelines in Determining the Government Review Team for Projects and in Conducting Circulations

The “Government Review Team Master Distribution List” is meant as a tool and an information source to ensure that matters pertaining to environmental assessment (EA) approvals are routed to the proper contacts within Federal, Provincial and Municipal agencies. The list also contains agency contacts for information purposes and links to agency websites where additional information may be obtained.

For individual EA projects, prior to submission of a draft Terms of Reference (ToR) for a project, the Project Officer will provide a copy of the Government Review Team (GRT) list to the proponent (or its consultant). The proponent should review the list and indicate which agencies and sections/staff within these agencies it believes should be circulated the ToR and subsequent EA, and provide a brief written explanation for those which are not believed to be relevant for the project (i.e. X ministry only wishes to review projects within X distance from a certain type of facility and the project will be further than that away from the such facilities). The proponent should contact the agencies proposed to be included to confirm their inclusion. The proponent should provide the proposed list to the Project Officer for review and input. Obtaining Project Officer input of the GRT for the particular project will help avoid having to notify additional agencies late in the process.

During the EA process, proponents’ request for comments from agencies which accompanies the EA documentation should outline that if the agency has no concerns on the EA or has no interest in the project, a written letter, completed “no comment form” (if provided by proponent) or e-mail stating this to the proponent would be preferable. This lets the Project Officer know that an agency is satisfied at a certain stage in the process and/or that no further circulation to the agency is necessary. Proponents should also follow-up with the agencies by telephone and e-mail to ensure the proper person received the documentation and to reiterate the preference that a statement of no concerns or no interest is provided, if applicable.

This list is periodically updated. The most up-to-date list may be obtained by contacting:

Environmental Approvals Branch
Environmental Assessment Services - Duty Officer at:
416-314-8001; or 1-800-461-6290

Important Notes on the Contents of this List

1. The default method by which agencies receive EA documents is by courier of a hard paper copy. Some agencies have indicated they are willing to accept (or prefer) electronic versions by e-mail, DVD or downloading from websites (with notice of document availability at a website and a request for comments sent by mail or by e-mail), but unless they indicate they are willing to accept this, hard copies are sent.
2. For all agencies, if a project is going to be located or have effects within more than one of their review districts/regions, then all relevant districts/regions should receive the full documentation and the cover letter should notify them which other districts/regions of their ministry are also receiving the documentation. The same should be done if more than one office within a ministry will be circulated a document and the offices are not divided based on geographic areas. This should be confirmed with individual agencies to determine distribution requirements.
3. This list was originally primarily used for individual EAs but is also now being used to indicate, in general, which agencies wish to review projects prepared under Class EAs or other streamlined EA process. For detailed information on which agencies are to be considered for circulation on projects under particular Class EAs, please consult the particular Class EA and/or the proponent of the Class EA.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
PROVINCIAL AGENCIES & MINISTRIES			
GO Transit and Metrolinx			
Jason Ryan Manager, Environmental Programs and Assessment Metrolinx 20 Bay Street, Toronto, ON, M5J 2W3	1 electronic copy	T: 416-202-4895 Jason.Ryan@gotransit.com	Projects of interest include; i) crossings of a GO Transit / Metrolinx transportation corridor or station facility, ii) is within 300m of a GO Transit / Metrolinx transportation corridor, station or maintenance facility, or iii) all transit projects.
Ontario Power Generation			
Ms. Susan A. Rapin, Director Environment Services Ontario Power Generation 700 University Ave. Toronto ON M5G 1X6	Prefers email notifications	T: 416-592-6399 F: N/A susan.rapin@opg.com	Projects within 2 km of an OPG generating site or that could potentially directly impact any Ontario Power Generation generating site or any waterpower projects being built on the same river system as OPG waterpower facilities. If unsure, contact OPG before sending documents.
Hydro One Networks Inc.			
Manager, Transmission Lines Sustainment Investment Planning Attn: Walter Kloostra Hydro One Networks Inc. 483 Bay Street, North Tower, 15th Floor Toronto ON M5G 2P5	2 hard copies or 1 hard copy if download available.	T: 416-345-5114 F: 416-345-5443 w.d.kloostra@HydroOne.com	Projects that could potentially directly impact HONI facilities or plants (including transmission/distribution lines/stations). Proponents should clearly identify the proposal's location and outline the type of impact anticipated relative to HONI facilities/plants.
Conservation Ontario			
Bonnie Fox, Policy and Planning Manager Conservation Ontario 120 Bayview Parkway, Box 11 Newmarket ON L3Y 4W3 www.conservationontario.ca	Electronic	T: 905-895-0716 Ext. 223 F: 905-895-0751 bfox@conservationontario.ca	Parent Class EAs or province-wide EA matters only.
Conservation Authorities For individual EAs and Class EAs, send to the local Conservation Authority covering the affected area. If no Conservation Authority exists for that area, then no circulation necessary.	1 hard copy	See Municipal Directory at http://www.mah.gov.on.ca/page1591.aspx or http://www.conservationontario.ca/find/index.html	All individual and Class EAs within area covered by the particular Conservation Authority. <u>Please Note:</u> Conservation Ontario and each individual Conservation Authority should be circulated any Class EA annual surveys which are committed to in the Parent Class EAs.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Niagara Escarpment Commission			
Director, Senior Strategic Advisor Niagara Escarpment Commission 232 Guelph Street Georgetown ON L7G 4B1	2 hard copies or 1 if electronic available	T: 905-877-5191 F: 905-873-7452 necgeorgetown@ontario.ca	Projects with potential effects on the Niagara Escarpment Planning Area.
Ministry of Aboriginal Affairs			
Ms. Rachael Manson-Smith, Manager(A) Ministry Partnerships Unit Ministry of Aboriginal Affairs 4 th Floor, 160 Bloor Street East Toronto ON M7A 2E6	Cover letter Project description and key map List of Aboriginal communities that have already been contacted List of previous approvals sought (if any) related to the project	T: 416-325-7032 maa.ea.review@ontario.ca	Projects where the proponent requires assistance from MAA in identifying Aboriginal communities for notification.
Ministry of Advanced Education and Skills Development			
EAs to be sent to individual affected Colleges and Universities. Only contact Ministry when issues cannot be resolved at the local level. Ms. Kelly Shields, Director Postsecondary Finance and Information Management Branch Ministry of Training, Colleges & Universities Mowat Block, 7 th floor, 900 Bay Street Toronto ON M7A 1L2	1 hard copy	See INFO-GO for contact information of various colleges and universities. T: 416-325-1952 F: 416-326-3256 Kelly.shields@ontario.ca mailto:	Individual and Class EAs for projects affecting colleges and universities should be submitted directly to the affected institution. They should be consulted about any project within approximately 400m of the boundary of the institution and any of its campuses and for other projects which may impact an institution's property, buildings and facilities, faculty, staff, students and visitors (through air- and water- borne materials; noise, light, transmission and other vibration generated energies; pedestrian and public transportation route and volume changes, including impacts from commercial and industrial initiatives, demographic changes, etc.)

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Ministry of Agriculture, Food and Rural Affairs			
Mr. David Cooper, Manager Environmental & Land Use Policy Food Safety and Environmental Policy Branch Ministry of Agriculture, Food and Rural Affairs 1 Stone Road W, 3 rd Floor Guelph ON N1G 4Y2	Cover letter only for province-wide Parent Class EA documents and Individual EAs. Do not circulate Class EA projects (see regional office contacts below).	T: 519-826-3117 F: 519-826-3109 david.cooper@ontario.ca	All province-wide Parent Class EA documents and Individual EAs that are province-wide or include multiple regions that affect agricultural operations and prime agricultural areas (i.e. predominantly prime agricultural lands which include specialty crop areas and/or, Canada Land Inventory (CLI) Class 1, 2 and 3 soils, and any associated CLI Class 4 to 7 soils). Do not circulate Parent Class EA documents or Individual EAs that only include land in designated “settlement areas” (as defined by the Provincial Policy Statement). Do not circulate Class EA projects (see regional office contacts below).
Ms. Michele Doncaster, Policy Advisor Environmental and Land Use Policy Ministry of Agriculture, Food and Rural Affairs 1 Stone Road, 3 rd Floor Guelph ON N1G 4Y2	1 hard copy of province-wide Parent Class EAs and Individual EAs and cover letters	T: 519-826-4369 F: 519-826-3109 Michele.doncaster@ontario.ca	All province-wide Parent Class EAs and Individual EAs that are province-wide or include multiple regions that affect agricultural operations and prime agricultural areas (i.e. predominantly prime agricultural lands which include specialty crop areas and/or, Canada Land Inventory (CLI) Class 1, 2 and 3 soils, and any associated CLI Class 4 to 7 soils). Do not circulate Parent Class EAs or Individual EAs that only include land in designated “settlement areas” (as defined by the Provincial Policy Statement).
Rural Planners/Regional Offices: Circulate Individual EAs and Class EAs affecting agricultural operations, and prime agricultural areas (i.e. predominantly prime agricultural lands which include specialty crop areas and/or, Canada Land Inventory (CLI) Class 1, 2 and 3 soils, and any associated CLI Class 4 to 7 soils) and waste EAs to the appropriate Rural Planner. Do not circulate any Individual EAs or Class EAs that only include land in designated “settlement areas” (as defined by the Provincial Policy Statement). (if necessary see map of regions on the intranet site: http://intra.net.gov.on.ca/omafra-maps/files/2013/02/OMAF_MRA-Rural-Planner-Areas-of-Coverage.png)			
Jocelyn Beatty, Rural Planner Environmental & Land Use Policy Food Safety and Environmental Policy Branch Ministry of Agriculture, Food & Rural Affairs 1 Stone Rd W, 3 rd Flr Guelph ON N1G 4Y2	1 hard copy	T: 519-846-3405 F: 613-475-3835 Jocelyn.Beatty@Ontario.ca	Projects meeting above criteria in Northwest Region, which covers the Districts of Kenora, Rainy River and Thunder Bay and in Central Region the District of Muskoka, the Cities of Kawartha Lakes and Toronto, the Regions of Durham and York, the Counties of Frontenac, Hastings, Lennox & Addington, Northumberland, Peterborough, Prince Edward and Simcoe.
Mr. Drew Crinklaw, Rural Planner Environmental & Land Use Policy Food Safety and Environmental Policy Branch Ministry of Agriculture, Food and Rural Affairs 667 Exeter Road London ON N6E 1L3	1 hard copy	T: 519-873-4085 F: 519-873-4062 drew.crinklaw@ontario.ca	Projects meeting above criteria in the Southwest Region, which covers upper- and single-tier municipalities of Brant, Oxford, Norfolk, Elgin, Middlesex, City of London, Lambton, Chatham-Kent and Essex.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Ms. Carol Neumann, Rural Planner Environmental & Land Use Policy Food Safety and Environmental Policy Branch Ministry of Agriculture, Food and Rural Affairs 6484 Wellington Road 7, Unit 10 Elora ON N0B 1S0	1 hard copy	T: 519-846-3393 F: 519-846-8178 carol.neumann@ontario.ca	Projects meeting above criteria in West Central Region, which covers upper-tier municipalities of Grey, Bruce, Huron, Perth, Waterloo and Wellington.
Ms. Jackie Van de Valk, Rural Planner Environmental & Land Use Policy Food Safety and Environmental Policy Branch Ministry of Agriculture, Food and Rural Affairs 6484 Wellington Road 7 – Unit 10 Elora ON N0B 1S0	1 hard copy	T: 519-846-3415 F: 519-846-8178 Jackie.VandeValk@ontario.ca	Projects meeting above criteria in Central-West Region, which covers upper-tier municipalities of Dufferin, Peel, Halton, Hamilton, Niagara, and Haldimand County.
Mr. John O'Neill, Rural Planner Environmental & Land Use Policy Food Safety and Environmental Policy Branch Ministry of Agriculture, Food and Rural Affairs 1st Fl.-59 Ministry Rd. Box 2004, ORC Building, Kemptville ON K0G 1J0	1 hard copy	T: 613-258-8341 T: 613-258-8392 john.o'neill@ontario.ca	Projects meeting above criteria in Eastern Region, which covers the Counties of Renfrew, Lanark, Leeds and Greenville, Stormont, Dundas and Glengarry, Prescott and Russell, and the City of Ottawa. Projects meeting the above criteria in the Northeast including the Districts of Cochrane, Algoma, Sudbury, Greater Sudbury, Timiskaming, Nipissing, Manitoulin and Parry Sound.
Ministry of Tourism, Culture and Sport: Culture Division			
<p>The Ministry of Tourism, Culture and Sport – Culture Division, which has an interest in the conservation of cultural heritage resources, published the Ontario Heritage Tool Kit to help municipalities, land use planners, heritage professionals, heritage organizations, property owners, and others understand the heritage conservation process in Ontario.</p> <p>Undertakings that may affect properties having recognized or potential cultural heritage value or interest, which may include:</p> <ul style="list-style-type: none"> • built heritage resources; • cultural heritage landscapes; • areas of archaeological potential; • undertakings whose associated lands are adjacent or proximate to lands owned by the Royal Botanical Gardens, the McMichael Canadian Collection, or owned or protected by the Ontario Heritage Trust. • provincial heritage properties <p>The “Standards and Guidelines for Conservation of Provincial Heritage Properties” under the Ontario Heritage Act (OHA), which came into effect on July 1, 2010, provide ministries and public bodies that have been prescribed by regulation (not municipalities) to identify, protect and care for provincial heritage properties under their ownership or control.</p> <p>Please go to http://www.mtc.gov.on.ca to access the Standards and Guidelines for Conservation of Provincial Heritage Properties, along with other guidance materials.</p>			
Ms. Karla Barboza, Heritage Advisor Heritage Program Unit Programs and Services Branch Ministry of Tourism, Culture and Sport 401 Bay Street, Suite 1700 Toronto ON M7A 0A7	1 hard copy to for the unit 1 electronic/e mail copy	T: 416-314-7120 F: 416-212-1802 karla.barboza@ontario.ca	Only EA matters of province-wide significance (including Parent Class EAs and Environmental Assessment policies and guidelines).

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Ms. Laura Hatcher, Team Lead – Heritage Land Use Planning(A) Heritage Program Unit Programs and Services Branch Ministry of Tourism and Culture 401 Bay Street, Suite 1700 Toronto ON M7A 0A7	each	T: 416-314-3108 F: 416-314-7175 laura.e.hatcher@ontario.ca	Receives the initial circulations for all individual and site specific Class EAs for all regions of the province. The Team Lead will assign to a Heritage Planner for review. EA matters of province-wide significance (including Parent Class EAs and Environmental Assessment policies and guidelines).
Heritage Planners: Site-specific individual and Class EA projects - Heritage Planners review site specific EAs for archaeological, built heritage resource and cultural heritage landscape impacts. They act as one-window for Culture Division and gather information on culture heritage resources from other staff, including Regional Offices.			
Mr. Joe Muller, Heritage Planner Heritage Program Unit Programs and Services Branch Ministry of Tourism, Culture and Sport 401 Bay Street, Suite 1700 Toronto ON M7A 0A7	1 hard copy to for the unit 1 electronic/e mail copy each	T: 416-314-7145 F: 416-314-7175 Joseph.muller@ontario.ca	Contact Laura Hatcher as initial step prior to circulating documents. All individual and site specific Class EAs for South-western Ontario which covers upper- and single-tier municipalities from Grey, Wellington, Waterloo, Brant and Norfolk, westward, plus Northern Ontario which covers everything north from Sudbury and Timiskaming, including Manitoulin.
Ms. Rosi Zirger, Heritage Planner Heritage Program Unit Programs and Services Branch Ministry of Tourism, Culture and Sport 401 Bay Street, Suite 1700 Toronto ON M7A 0A7	1 hard copy to for the unit 1 electronic/e mail copy each	T: 416-314-7159 F: 416-314-7175 Rosi.zirger@ontario.ca	Contact Laura Hatcher as initial step prior to circulating documents. All individual and site specific Class EAs in Central Ontario, which covers upper- and single-tier municipalities of: Hamilton, Halton, Niagara, Peel, Dufferin; Durham, York, Toronto, Simcoe, Muskoka, Kawartha Lakes, Haliburton, Peterborough and Northumberland.
Mr. Dan Minkin, Heritage Planner Heritage Program Unit Programs and Services Branch Ministry of Tourism, Culture and Sport 401 Bay Street, Suite 1700 Toronto ON M7A 0A7	1 hard copy to for the unit 1 electronic/e mail copy each	T: 416-314-7147 F: 416-314-7175 Dan.minkin@ontario.ca	Contact Laura Hatcher as initial step prior to circulating documents. All individual and site specific Class EAs in Central Ontario, which covers upper- and single-tier municipalities of: Hamilton, Halton, Niagara, Peel, Dufferin; Durham, York, Toronto, Simcoe, Muskoka, Kawartha Lakes, Haliburton, Peterborough and Northumberland.
Ms. Katherine Kirzati, Heritage Planner Heritage Program Unit Programs and Services Branch Ministry of Tourism, Culture and Sport 401 Bay Street, Suite 1700 Toronto ON M7A 0A7	1 hard copy to for the unit 1 electronic/e mail copy each	T: 416-314-7643 F: 416-314-7175 Katherine.kirzati@ontario.ca	Contact Laura Hatcher as initial step prior to circulating documents. All individual and site specific Class EAs in Eastern Ontario which covers upper- and single-tier municipalities from Hastings, east to the Quebec boarder, as well as Renfrew, Parry Sound and Nipissing.
Ministry of Tourism, Culture and Sport: Regional Offices Site-specific individual and class EA projects - Assessment of sport/recreation and tourism impacts (except do not do tourism in Northern Ontario). They also provide separate comments to Ministry of Tourism and Culture and Sport Heritage Planners on cultural facility impacts which those planners then incorporate into their comments.			
Patrick Morash, Manager (A) North Region Ministries of Citizenship and Immigration, Tourism, Culture, and Sport 435 James Street South, Suite. 334 Thunder Bay, ON P7E 6E3	1 hard copy	T: 807-475-1635 F: 807-475-1297 Patrick.morash@ontario.ca	All individual and Class EAs in North Region which covers upper-tier municipalities of Parry Sound, Nipissing and Manitoulin and northward and westward, such as Kenora, North Bay, Sault Ste. Marie, Sioux Lookout, Sudbury, Thunder Bay and Timmins areas.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Mr. Chris Stack, Manager West Region Ministries of Citizenship and Immigration, Tourism, Culture, and Sport 4275 King Street, 2nd Floor Kitchener ON N2P 2E9	1 hard copy	T: 519-650-3421 F: 519-650-3425 Chris.Stack@ontario.ca	All individual and Class EAs in West Region which covers upper- and single-tier municipalities of Niagara, Hamilton, Wellington, Dufferin and Grey westward, including Kitchener, London, and Windsor areas.
Mr. Sam Bleiweiss, Manager (A) Central Region Ministries of Citizenship and Immigration, Tourism, Culture, and Sport 400 University Avenue, 2 nd Floor Toronto ON M7A 2R9	1 hard copy	T: 416-314-6682 F: 416-314-2024 sam.bleiweiss@ontario.ca	All individual and Class EAs in Central Region which covers upper- and single-tier municipalities of Durham, Toronto, York, Peel, Halton, Simcoe, and Muskoka.
Manager position currently vacant East Region Ministries of Citizenship and Immigration Tourism, Culture, and Sport 347 Preston Street, 4th Floor Ottawa ON K1S 3J4	1 hard copy	T: 613-742-3366 F: 613-742-5300	All individual and Class EAs in East Region which covers upper- and single-tier municipalities of Northumberland, Kawartha Lakes, and Haliburton eastward including Ottawa, Kingston and Peterborough areas.
Ministry of Tourism, Culture and Sport: Tourism Policy and Development Division			
Mr. Jim Antler, Policy Advisor Northern Policy and Planning Unit Tourism Policy and Research Branch Ministry of Tourism, Culture and Sport 447 McKeown Avenue, Suite 203 North Bay, ON P1B 9S9	Prefers Electronic	T: 705-494-4159 F: 705-494-4086 james.antler@ontario.ca	All Parent Class EAs, Class EAs and individual EAs of province-wide or high-level of significance (e.g. inter-provincial bridges), EA policies and guidelines, and site-specific EAs pertaining specifically to Northern Ontario.
Ministry of Tourism, Culture and Sport: Sport, Recreation and Community Programs Division			
Sport, Recreation and Community Division Policy Branch: Weifang Dong, Manager(A); Carol Oitment, Policy Advisor; and Anna Ilnyckyj, Director 777 Bay Street, 18th Floor Toronto ON M7A 1S5	2 copies	Weifang: 416-212-9311 Weifang.dong@ontario.ca Carol: 416-314-7205 carol.oitment@ontario.ca Anna: 416-326-0825 Anna.ilnyckyj@ontario.ca F: 416-314-7458	All Parent Class EAs, Class EAs and individual EAs that relate to trails, parkland, and open space that support sport and recreation in Ontario.
Ministry of Education			
Mr. Mathew Thomas, Manager, Policy Unit B, Elementary/Secondary Business & Finance Capital Policy and Programs Branch Ministry of Education 19th Floor, Mowat Block, 900 Bay Street Toronto ON M7A 1L2	Contact first	T: 416-326-9920 F: 416-325-4024 mathew.p.thomas@ontario.ca	Any project that is directly related to schools or school boards.
Local French and English Public and Catholic Boards of Education	1 hard copy	See Municipal Directory at http://www.mah.gov.on.ca/page1591.aspx	Any project that will impact a school building, property or staff and students, e.g. noise, air quality, well water quality, pedestrian routes, school bus routes, general safety considerations, enrolment and school construction planning.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Infrastructure Ontario			
Lisa Myslicki Environmental Specialist Realty Services, Environmental Services Infrastructure Ontario 1 Dundas Street West, Suite 2000 Toronto ON M5G 2L5	Electronic version only	T: 416-212-3768 F: 416-326-9905 Lisa.Myslicki@infrastructureontario.ca	Class or Individuals EAs having direct physical impact on properties owned or leased by Infrastructure Ontario. Any Class EA notice.
Mr. Peter Reed, Director, Land Use Planning Infrastructure Ontario 1 Dundas St. W., Suite 2000 Toronto ON M5G 2L5	Electronic version only	T: 416-578-6740 F: 416-327-4194 Peter.Reed@infrastructureontario.ca	Projects where lands associated with the undertaking are adjacent or proximate to lands that are managed by Infrastructure Ontario (which are lands held by the Ministry of Infrastructure in right of Her Majesty the Queen) or if IO-managed lands are within the project’s study area.
Mr. Tate Kelly, Planning Coordinator Infrastructure Ontario 1 Dundas St. W., Suite 2000 Toronto ON M5G 2L5	Electronic version only.	T : 416-327-1925 F : 416-327-4194 Tate.Kelly@infrastructureontario.ca and noticepreview@infrastructureontario.ca	
Ministry of Community Safety and Correctional Services			
Robert Greene, Director Ministry of Community Safety and Correctional Services George Drew Building 13th Floor, 25 Grosvenor Street Toronto ON M7A 2G8	Downloading preferred	T: 416-314-6683 F: 416-314-3225 Robert.Greene@Ontario.ca	Contact to see if they have an interest in the EA.
Ontario Provincial Police			
Ms. Jennifer Batchelor Research and Program Evaluation Business Management Bureau Ontario Provincial Police 777 Memorial Avenue, 1st Floor Orillia ON L3V 7V3	Downloading or electronic copy preferred	T: 705-329-7567 F: 705-329-7596 Jennifer.Batchelor@opp.ca	Individual and Class EAs in municipalities without own police service (OPP then patrols area), projects with potential to change demographics, traffic flow, or the need for police presence. EAs having a direct physical impact on OPP detachments, or impacting provincial highways (which OPP patrols).
Ms. Joy Fish Pool, Manager OPP Facilities Section Ontario Provincial Police 777 Memorial Avenue, 2nd Floor Orillia ON L3V 6H3	Downloading preferred	T: 705-329-6815 F: 705-329-6808 joy.fishpool@opp.ca	EAs having a direct physical impact on OPP detachments, or impacting provincial highways (which OPP patrols).

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Ministry of Economic Development, Employment and Infrastructure			
John Bullen, Manager Cabinet Office and Policy Support Unit 900 Bay St, 6 th Flr, Hearst Block Toronto, ON, M7A 2E1	electronic version	T: 416-325-0186 F: 416-325-6825 john.bullen@ontario.ca	Any proposed regulations requiring that large-scale private sector undertakings be made subject to the Environmental Assessment Act.
Michael Helfinger Senior Policy Advisor Cabinet Office Liaison and Policy Support Unit Ministry of Economic Development, Employment and Infrastructure 900 Bay St., 6th Fl., Hearst Block Toronto ON M7A 2E1		T: 416-325-6519 F: 416-325-6825 michael.helfinger@ontario.ca	Projects with significant job creation potential or supply chain benefits to the regional or provincial economy. Individual EAs (including joint federal-provincials EAs) involving large public infrastructure projects, particularly baseload electricity generation, transmissions lines, water and petroleum pipelines and transportation corridors.
Ministry of Energy			
Mr. Andrea Pastori, Cabinet Liaison and Strategic Policy Branch Coordinator Strategic Policy and Analytics Branch Strategic, Network and Agency Policy Division Ministry of Energy 6 th Flr, 77 Grenville St Toronto ON M7A 2C1	Prefers electronic version	T: 416-327-7276 F: 416-327-7204 andrea.pastori@ontario.ca	Individual and Class EAs with energy implications or energy-related (including renewable energy such as small hydro, wind, energy from waste landfill gas, deep lake water cooling).
Ministry of Health and Long-Term Care			
Mr. Tony Amalfa, Manager Environmental Health Policy & Programs Ministry of Health and Long-Term Care 393 University Avenue, 21 st Floor Toronto ON M7A 2S1	Hard copy of EA summary and map	T: 416-327-7624 F: 416-327-0984 tony.amalfa@ontario.ca	Send summary of EA and map for sewage and water-works, and for waste facility projects which may have health implications
Heath Units and Medical Officers of Health See: http://www.alphaweb.org/?page=PHU	1 hard copy		Send entire EA for sewage and water-works, and for waste facility projects which may have health implications to Health Unit/Medical Officer of Health for the geographic area.
Ministry of Municipal Affairs			
Mr. Victor Doyle, Manager Planning Innovation Section Provincial Planning Policy Branch Ministry of Municipal Affairs 777 Bay Street, 13th Floor Toronto ON M5G 2E5	1 hard copy	T: 416-585-6109 F: 416-585-6870 Victor.doyle@ontario.ca	Parent Class EAs, EA matters of a broad policy nature and individual EAs with potential effects in multiple regions or province wide.
Ontario Growth Secretariat			
Mr. Charles O'Hara, Manager Growth Policy Ontario Growth Secretariat Ministry of Municipal Affairs 777 Bay Street, 4th Floor, Suite 425 Toronto ON M5G 2E5	Contact first	T: 416-325-5794 F: 416-325-7403 charles.o'hara@ontario.ca	Contact to see if they have an interest in the EA.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Regional Offices: Should be circulated individual and Class EA projects that have one or more of the following: <ul style="list-style-type: none"> - a municipal proponent; - relate to municipal servicing; and/or - have federal involvement. 			
Mr. Mark Christie, Manager Community Planning and Development Central Municipal Services Office Ministry of Municipal Affairs & Housing 13th Floor, 777 Bay Street Toronto ON M5G 2E5	1 hard copy	T: 416-585-6063 F: 416-585-6882 Mark.Christie@ontario.ca	Projects meeting above criteria in upper- and single-tier municipalities of Dufferin, Durham, Halton, Hamilton, Toronto, Muskoka, Niagara, Peel, Simcoe, and York.
Mr. Michael Elms, Manager Community Planning and Development Eastern Municipal Services Office Ministry of Municipal Affairs & Housing 8 Estate Lane, Rockwood House Kingston ON K7M 9A8	1 hard copy	T: 613-545-2132 F: 613-548-6822 Michael.elms@ontario.ca	Projects meeting above criteria in upper- and single-tier municipalities of Northumberland and City of Kawartha Lakes eastward, including the Ottawa and Kingston areas to the Quebec border.
Ms. Bridget Schulte-Hostedde, Manager Community Planning and Development Municipal Services Office – North (Sudbury) Ministry of Municipal Affairs & Housing 159 Cedar Street, Suite 401 Sudbury ON P3E 6A5	Prefer electronic version via e-mail	T: 705-564-6817 F: 705-564-6863 bridget.schulte-hostedde@ontario.ca	Projects meeting above criteria in upper- and single-tier municipalities of Algoma, Cochrane, Manitoulin, Nipissing, Parry Sound, Sudbury, and Timiskaming including Sault Ste. Marie and North Bay areas.
Ms. Victoria Kosny, Manager(A) Community Planning and Development Municipal Services Office – North (Thunder Bay) Ministry of Municipal Affairs & Housing 435 James Street South, Suite 223 Thunder Bay ON P7E 6S7	1 hard copy	T: 807-473-3025 F: 807-475-1196 Victoria.kosny@ontario.ca	Projects meeting above criteria in upper-tier and single-tier municipalities of Kenora, Rainy River, and Thunder Bay.
Mr. Scott Oliver, Manager(A) Community Planning and Development Western Municipal Services Office Ministry of Municipal Affairs & Housing 659 Exeter Road, 2nd Floor London ON N6E 1L3	1 hard copy	T: 519-873-4033 F: 519-873-4018 scott.oliver@ontario.ca	Projects meeting above criteria in upper- and single-tier municipalities of Haldimand, Brant, Waterloo, Wellington, Norfolk, Bruce, Huron, Perth, Lambton, Essex, Chatham-Kent, Oxford, Elgin, Middlesex, and Grey including Kitchener, London and Windsor areas.
Ministry of Natural Resources and Forestry			
Ms. Sally Renwick, Team Lead, Priorities and Planning Section, Strategic and Aboriginal Policy Branch, Policy Division Ministry of Natural Resources and Forestry 300 Water Street 5th Floor, North Tower Peterborough, ON K9J 3C7	2 hard copies	T: 705-755-5195 F: 705-755-1971 Sally.renwick@ontario.ca	For 'Parent' Class EAs, exemptions, and activities of provincial wide application.
Regional and District Offices: Circulate all individual and Class EAs to the relevant district office(s) with a letter requesting the documents be reviewed and send a copy of cover letter to Regional Office. If project impacts more than one district, also send EA document to Regional office.			
Southern Region Ministry of Natural Resources and Forestry 300 Water Street, Box 7000 4th Floor, South Tower Peterborough, ON K9J 8MS Attn: Erin Cotnam, Regional Planning Coordinator	1 hard copy of cover letter of EA	T: (705) 755-3215 F: 705-755-3289 erin.cotnam@ontario.ca Email correspondence can also go to the Regional Director, who would fwd it to the Planning Coordinator	Copy of cover letter only for all individual or Class EAs entirely within one District. All individual or Class EAs which occur in two or more of the following Districts: Aurora, Aylmer, Bancroft, Guelph, Kemptville, Midhurst, Pembroke, Parry Sound, Peterborough, and Algonquin Park.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Aurora District Ministry of Natural Resources and Forestry 50 Bloomington Road Aurora, ON L4G 0L8 Attn: Steven Strong, District Planner	2 hard copies	T: 905-713- 7366 F: 905-713-7360 Steven.strong@ontario.ca	All individual or Class EAs in District which covers upper-and single-tier municipalities of Halton, Toronto, York, Peel and Durham.
Aylmer District Ministry of Natural Resources and Forestry 615 John St. N Aylmer, ON N5H 2S8 Attn: Andrea Fleischhauer, District Planner	2 hard copies	T: 519-773-4750 F: 519-773-9014 Andrea.fleischhauer@ontario.ca	All individual or Class EAs in District which covers upper- and single-tier municipalities of London, Norfolk, Oxford, Middlesex, Lambton, Chatham-Kent, Essex County, County of Elgin and Windsor areas.
Bancroft District Ministry of Natural Resources and Forestry 106 Monck St, PO Box 500 Bancroft, ON K0L 1C0 Attn: Jesse Van Allen, District Planner	2 hard copies	T: 613-332-3940 ext. 230 F: 705-286-4355 Jesse.VanAllen@ontario.ca	All individual or Class EAs in District which covers upper- and single-tier municipalities of Haliburton and the northern-halves of Peterborough, Hastings, Lennox and Addington and Frontenac.
Guelph District Ministry of Natural Resources and Forestry Ontario Government Bldg 1 Stone Road West Guelph, ON N1G 4Y2 Attn: David Marriott, District Planner	2 hard copies	T: 519-826-4926 F: 519-826-4929 david.marriott@ontario.ca	All individual or Class EAs in District which covers upper- and single-tier municipalities Hamilton, Niagara, Brant, Waterloo, Wellington, Huron and Perth including Kitchener area and Haldimand County.
Kemptville District Ministry of Natural Resources and Forestry Provincial Government Bldg 10 Campus Dr, PO Box 2002 Kemptville ON K0G 1J0 Att: Laura Melvin, District Planner	1 hard copy and 1 electronic/C D copy	T: 613-258-8470 F: 613-258-3920 laura.melvin@ontario.ca	All individual or Class EAs in District which covers upper- and single-tier municipalities of Leed & Grenville, Lanark and Ottawa eastward, including Stomont, Dundas, Glengarry, Prescott and Russel.
Midhurst District Ministry of Natural Resources and Forestry 2284 Nursery Road Midhurst, ON L0L 1X0 Attn: Kim Benner, District Planner	2 hard copies	T: 705-725-7534 kim.benner@ontario.ca	All individual or Class EAs in District which covers upper- and single-tier municipalities of Grey, Bruce, Simcoe and Dufferin (except East Luther – MNR Guelph).
Parry Sound District Ministry of Natural Resources and Forestry Bracebridge Area Office 7 Bay St Parry Sound, ON P2A 1S4 Attn: Andrea Ellis Nsiah, District Planner	1 hard copy	T: 705-773-4231 F: 705-645-8372 Andrea.EllisNsiah@ontario.ca	All individual or Class EAs in District which covers upper- and single-tier municipalities of Parry Sound and Muskoka.
Pembroke District Ministry of Natural Resources and Forestry 31 Riverside Drive Pembroke, ON K8A 6X4 Attn Mary Lyons, District Planner	2 hard copies	T: 613-732-5522 F: 613-732-2972 mary.lyons@ontario.ca	All individual or Class EAs in District which covers Renfrew County.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Peterborough District Ministry of Natural Resources and Forestry South Tower, 1st Floor 300 Water St Peterborough, ON K9J 8M5 Attn: Catherine Warren, District Planner(A)	Prefer electronic version and notifications	T: 705-755-3294 F: 705-755-3125 Catherine.warren@ontario.ca	All individual or Class EAs in District which covers upper-, lower- and single-tier municipalities Prince Edward County, Kawartha Lakes, Northumberland and the southern halves of Peterborough, Hastings, Lennox and Addington and Frontenac.
Peterborough District Ministry of Natural Resources and Forestry South Tower, 1st Floor 300 Water St, PO Box 7000 Peterborough, ON K9J 8M5 Attn: Liz Spang, District Planner (Peterborough Area)	1 hard and e-copy (e.g. CD)	T: (705) 755-3360 F: (705) 755-3125 Elizabeth.Spang@ontario.ca	All terms of reference, individual or Class EAs in District which covers upper-, lower- and single-tier municipalities Prince Edward County, Kawartha Lakes, Quinte West, Belleville, Northumberland and the southern halves of Peterborough County, Hastings, Lennox and Addington, Frontenac, and City of Kingston
Northwest Regional Resources Section Ministry of Natural Resources and Forestry Ontario Government Building Suite 221A, 435 James Street South Thunder Bay, ON P7E 6E3 Attn: Londa Mortson, Land Use Planning Supervisor	1 hard copy of cover letter or EA	T: 807-475-1715 F: 807-473-3023 Londa.Mortson@ontario.ca	Copy of covering letter only for all individual EAs entirely within one District. All individual or Class EAs for projects which occur in two or more of the following Districts: Dryden, Fort Frances, Kenora, Nipigon, Red Lake, Sioux Lookout and Thunder Bay.
Dryden District Ministry of Natural Resources and Forestry Box 730, 479 Government Road (Hwy. 17) Dryden, ON P8N 2Z4 Attn: Dave Lyle, District Planner	2 hard copies	T: 807-223-7552 F: 807-223-2824 dave.lyle@ontario.ca	All individual and Class EAs in District. For district boundaries in Northern Ontario consult: http://www.mnr.gov.on.ca/en/ContactUs/1ColumnSubPage/STEL02_179001.html . To compare to municipal boundaries use Crown Land Use Policy Atlas – http://crownlanduseatlas.mnr.gov.on.ca/
Fort Frances District Ministry of Natural Resources and Forestry 922 Scott Street Fort Frances, ON P9A 1J4 Attn: Matt Myers, District Resource Operations Supervisor	2 hard copies	T: 807-274-8632 F: 807-274-4438 Matt.myers@ontario.ca	All individual and Class EA in District.
Kenora District Ministry of Natural Resources and Forestry Box 5080, 808 Robertson Street Kenora, ON P9N 3X9 Attn: Abby Anderson, District Planner	2 hard copies	T: 807-468-2546 F: 807-468-2736 Abby.anderson@ontario.ca	All individual and Class EA in District.
Nipigon District Ministry of Natural Resources and Forestry Ontario Government Bldg 5 Wadsworth Dr, PO Box 970 Nipigon, ON P0T 2J0 Attn: Kimberly McNaughton, District Planner	2 hard copies	T: 807-887-5113 F: 807-854-0335 Kimberly.McNaughton@ontario.ca	All individual and Class EA in District.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Red Lake District Ministry of Natural Resources and Forestry 227 Howey Street PO Box 5003 Red Lake, ON P0V 2M0 Attn: Myles Perchuk, Resources Operations Supervisor(A)	1 hard copy	T: 807-727-1390 F: 807-727-2861 Myles.perchuk@ontario.ca	All individual and Class EA in District.
Sioux Lookout District Ministry of Natural Resources and Forestry Box 309, 49 Prince Street Sioux Lookout, ON P8T 1A6 Attn: Jason Suprovich, District Planner	2 hard copies	T: 807-737-5037 F: 807-737-1813 John.Carnochan@ontario.ca	All individual and Class EA in District.
Thunder Bay District Ministry of Natural Resources and Forestry Ontario Government Building Suite B001, 435 James Street South Thunder Bay, ON P7E 6E3 Attn: Rik Aikman, Resources Operations Supervisor & Charlie Mattina, District Planner(A)	2 hard copies	T: 807-475-1448 F: 807-475-1527 Rik.Aikman@ontario.ca T: 807-475-1457 Charlie.mattina@ontario.ca	All individual and Class EA in District.
Northeast Region Ministry of Natural Resources and Forestry 5520 Hwy #101 East, Postal Bag 3020 South Porcupine, ON P0N 1H0 Attn: Justin Standeven, Regional Planning Coordinator	1 copy of cover letter or EA document	T: 705-235-1172 F: 705-235-1246 Justin.Standeven@ontario.ca	Copy of covering letter only for all individual EAs entirely within one District. All individual or Class EAs for projects which occur in two or more of the following Districts: Chapleau, Cochrane, Hearst, Kirkland Lake, North Bay, Sault Ste. Marie, Sudbury, Timmins and Wawa.
Chapleau District Ministry of Natural Resources and Forestry 190-192 Cherry Street Chapleau, ON P0M 1K0 Attn: Tim Mutter, District Planner	2 hard copies	T: 705-864-3139 F: 705-864-0681 Tim.mutter@ontario.ca	All individual and Class EA in District. For district boundaries in Northern Ontario consult: http://www.mnr.gov.on.ca/en/ContactUs/1ColumnSubPage/STEL02_179001.html . To compare to municipal boundaries use Crown Land Use Policy Atlas – http://crownlanduseatlas.mnr.gov.on.ca/
Cochrane District Ministry of Natural Resources and Forestry Box 730, 2-4 Hwy 11S Cochrane, ON P0L 1C0 Attn: Robin Stewart, District Planner	2 hard copies	T: 705-272-7111 F: 705-272-7183 Robin.stewart@ontario.ca	All individual and Class EA in District.
Hearst District Ministry of Natural Resources and Forestry Box 670, 631 Front Street Hearst, ON P0L 1N0 Attn: Jack Van Gemenen, District Planner	2 hard copies	T: 705-372-2223 F: 705-372-2245 Jack.VanGemenen@ontario.ca	All individual and Class EA in District.
Kirkland Lake District Ministry of Natural Resources and Forestry PO Box 910, 10 Government Road East Kirkland Lake ON P2N 3K4 Attn: Shaun Walker, Management Biologist (A)	2 hard copies	T: 705-568- 3231 F: 705-568-3200 Shaun.walker@ontario.ca	All individual and Class EA in District.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
North Bay District Ministry of Natural Resources and Forestry 3301 Trout Lake Road North Bay, ON P1A 4L7 Attn: Julie Robinson, A/District Planner	1 electronic copy	T: 705-475-5546 F: 705-475-5500 Julie.robinson@ontario.ca	All individual and Class EA in District, which is generally the District of Nipissing.
Sault Ste. Marie District Ministry of Natural Resources and Forestry 64 Church Street Sault Ste. Marie, ON P6A 6V5 Attn: Marjorie Hall, Resource Management Planning Specialist	2 hard copies	T: 705-945-6615 F: 705-949-6450 Marjorie.Hall@ontario.ca	All individual and Class EA in District which is roughly southern half of Algoma.
Sudbury District Ministry of Natural Resources and Forestry 3767 Hwy 69 S, Suite 5 Sudbury, ON P3G 1E7 Attn: Eric Cobb, District Planner	2 hard copies	T: 705-564-7876 F: 705-564-7879 eric.cobb@ontario.ca	All individual and Class EA in District which is roughly southern half of Sudbury District.
Timmins District Ministry of Natural Resources and Forestry Ontario Government Complex 5520 Hwy. 101 E, P.O. Bag 3090 South Porcupine, ON P0N 1H0 Attn: Korey Walker, District Planner	2 hard copies	T: 705-235-1383 F: 705-235-1377 Korey.walker@ontario.ca	All individual and Class EA in District.
Wawa District Ministry of Natural Resources and Forestry 48 Mission Road, P.O. Box 1160 Wawa, ON P0S 1K0 Attn: Carla Riche, District Planner	2 hard copies	T: 705-856- 4717 F: 705-856- 7511 Carla.Riche@ontario.ca	All individual and Class EA in District.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Ministry of Northern Development and Mines			
Priya Tandon, Director Corporate Policy Secretariat Ministry of Northern Development and Mines Rm. 5630, Whitney Block, 99 Wellesley St. W Toronto, ON M7A 1W3	Notice only	T: 416-327-0302 F: 416-327-0634 priya.tandon@ontario.ca	All EAs. Consult MNDM at draft Terms of Reference stage (or earlier) to determine if project will impact lands containing: significant geological resources, mining claims, mineral development projects, and/or abandoned mine hazards. MNDM also comments on potential economic and community development impacts from a northern stakeholder perspective.
Alan Rishworth, Policy Intern Corporate Policy Secretariat Ministry of Northern Development and Mines Rm. 5630, Whitney Block, 99 Wellesley St. W Toronto, ON M7A 1W3	EA – prefers electronic version	T: 416-327-0625 F: 647-723-2126 Alan.rishworth@ontario.ca	
Jonathan Barrett, Manager(A) Strategic Support Unit Ministry of Northern Development and Mines Willet Green Miller Centre 6th Flr 933 Ramsey Lake Rd Sudbury ON P3E6B5	EA – prefers electronic version	T: 705-670-5806 F: 705-670-5803 Jonathan.barrett@ontario.ca	
John Hall, Regional Initiatives Coordinator Strategic Support Unit Ministry of Northern Development and Mines Willet Green Miller Centre 6 th Flr 933 Ramsey Lake Rd Sudbury ON P3E6B5	EA – prefers electronic version	T: 705-670-5615 F: 705-670-5803 John.hall@ontario.ca	
Office of the Fire Marshal			
Local Fire Department(s) Please contact the affected local municipal office in order to obtain the name of the Fire Chief and the address of the affected fire department. See Municipal Directory at http://www.mah.gov.on.ca/page1591.aspx	1 hard copy		The Office of the Fire Marshal has requested that EAs be directed to the local Fire Department in the affected municipality (or municipalities). Where Fire Department access might be affected.
Ministry of Transportation			
Ms. Dawn Irish Manager, Environmental Policy Office Transportation Planning Branch Ministry of Transportation 301 St. Paul Street, 2nd Floor St. Catharines, ON L2R 7R4	Prefer electronic copies.	T: 905-704-3179 F: 905-704- 2007 dawn.irish@ontario.ca Include a copy for john.slobodzian@ontario.ca	Parent Class EAs & Individual EAs for Network Plans of provincial interest.\

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Regional Offices: The relevant offices should be circulated all individual and Class EAs that are transportation projects or are located within 400 metres of a provincial highway plus those that are located outside built-up areas that involve any of the following: a) potential for creation of more than a minimal change in traffic volumes/patterns; b) requirement for direct access to a provincial transportation facility; or c) requirement for access roads to areas where there were previously no roads.			
Michael Nadeau, Manager West Region Ministry of Transportation 659 Exeter Road London ON N6E 1L3	2 hard copies	T: 519-873-4373 F: 519-873-4236 Michael.nadeau@ontario.ca	Projects meeting above criteria in upper- or single-tier municipalities of Waterloo, Haldimand, Norfolk, Brant, Oxford, Perth, Wellington, Dufferin, Bruce, Huron, Grey, Middlesex, Lambton, Chatham-Kent and Essex.
Jason White, Manager (A), Engineering Office Central Region Ministry of Transportation 159 Sir William Hearst Ave. , 5th Floor, Bldg D Downsview ON M3M 0B7	2 hard copies	T: 416-235-5575 F: 416-325-8070 jason.white@ontario.ca	Projects meeting above criteria in upper- or single-tier municipalities of Hamilton, Niagara, Halton, Peel, Toronto, York, Simcoe and Durham.
Peter Makula, Manager, Engineering Office Eastern Region Ministry of Transportation Postal Bag 4000, 1355 John Counter Blvd Kingston ON K7L 5A3	2 hard copies (if electronic available, 1 hard copy and 1 electronic version)	T: 613-545-4754 F: 613-540-5103 Peter.Makula@Ontario.ca	Projects meeting above criteria in upper- or single-tier municipalities of Northumberland, Kawartha Lakes and Haliburton eastward including Peterborough, Kingston and Ottawa areas.
John Fraser, Manager Northeastern Region Ministry of Transportation Ontario Government Bldg, Suite 301 447 McKeown Ave. North Bay ON P1B 9S9	2 hard copies	T: 705-497-5500 F: 705-497-5208 john.fraser3@ontario.ca	Projects meeting above criteria in upper-tier municipalities of Muskoka, Parry Sound, Nipissing, Timiskaming, Cochrane, and Algoma including Sudbury, Sault Ste. Marie, North Bay and Timmins areas
Iain Galloway, Manager, Engineering Office Northwestern Region Ministry of Transportation 615 South James Street, P.O. Box 1177 Thunder Bay ON P7E 6P6	2 hard copies	T: 807-473-2001 F: 807-473-2615 iain.galloway@ontario.ca	Projects meeting above criteria in upper-tier municipalities of Thunder Bay, Kenora and Rainy River.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
FEDERAL AGENCIES			
Canadian Environmental Assessment Agency			
Anjala Puvananathan Director, Ontario Region Canadian Environmental Assessment Agency 55 St. Clair Avenue East, Suite 907 Toronto ON M4T 1M2	Electronic (CD) version preferred	Switchboard T: 416-952-1575 F: 416-952-1573 Anjala.puvananathan@ceaa-acee.gc.ca http://www.ceaa-acee.gc.ca	<p>Contact must be initiated during proponent's pre-submission consultation with provincial and federal bodies. Canadian Environmental Assessment Agency (the Agency) manages the federal EA process for projects that may require an EA and do not fall under the mandate of the Canadian Nuclear Safety Commission or the National Energy Board.</p> <p><i>Canadian Environmental Assessment Act, 2012</i> (CEAA 2012) applies to projects listed in the <i>Regulations Designating Physical Activities</i>. Under CEAA 2012, the proponent must provide the Agency with a description of their proposed project if it is captured under the above-noted regulations.</p> <p>Generally, these are projects that meet specific thresholds identified in the Regulations and can include fossil fuel-fired generating stations, hydroelectric generating facilities, dams, dykes, reservoirs, or other structures for the diversion of waters; oil or gas facilities or oil or gas pipelines; mines or mills; quarries; industrial facilities; canals or locks; marine terminals; railway lines or public highways; aerodromes or runways; waste management facilities etc.</p> <p>For more information about CEAA 2012, please access the following links http://www.ceaa.gc.ca/default.asp?lang=En&n=16254939-1 and http://www.ceaa.gc.ca/default.asp?lang=En&n=9EC7CAD2-1.</p> <p>If it appears that CEAA 2012 applies to the proposed project, the proponent should contact the Agency switchboard at (416) 952-1576.</p>
Canadian Nuclear Safety Commission			
Caroline Ducros, Director Environmental Assessment Division Canadian Nuclear Safety Commission 280 Slater Street P.O. Box 1046, Station B Ottawa ON K19 5S9	none	T: 613-992-7231 F: 613-995-5086 caroline.ducros@canada.ca	All EAs related to nuclear facilities and/or operations.
Indigenous and Northern Affairs Canada			
Aboriginal and Treaty Rights Information System (ATRIS)		http://sidait-atris.aadnc-aandc.gc.ca/atris_online/ For help with ATRIS, contact UCA-CAU@aadnc-aandc.gc.ca	ATRIS is a web-based mapping interface that provides information on the location and nature of established and potential Aboriginal and Treaty rights. This website can be used to assist proponents in identifying potentially affected Aboriginal communities for specific projects.

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
Environmental Assessment Coordination Environment Unit Lands and Economic Development Indigenous and Northern Affairs Canada 25 St. Clair Avenue East, 8th Floor Toronto ON M4T 1M2	Send legal description of property, location map and description of project.	EACoordination_ON@andc-aadnc.gc.ca	All EAs related to projects on Aboriginal reserve lands.
Environment Canada			
Rob Dobos, Manager Environmental Assessment Section Environmental Protection Branch - Ontario Region Environment and Climate Change Canada 867 Lakeshore Rd. Burlington ON L7R 4A6	Electronic (CD) version preferred	T 905-336-4953 rob.dobos@canada.ca	All individual EAs and Parent Class EAs (particularly those affecting an area of federal interest or responsibility), and only Class EAs or other streamlined EAs that also could fall under CEAA 2012.
Fisheries and Oceans Canada			
Information about projects near water, and a self-assessment process for determining if DFO review is required, is found at: http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html Contact information for DFO by province: http://www.dfo-mpo.gc.ca/pnw-ppe/contact-eng.html	Consult DFO (if DFO review required)		Any EAs which may cause serious harm to fish. The <i>Fisheries Act</i> requires that projects avoid causing serious harm to fish unless authorized by the Minister of Fisheries and Oceans Canada. Serious harm to fish is defined in the <i>Fisheries Act</i> as “the death of fish or any permanent alteration to, or destruction of, fish habitat.” 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. An authorization from DFO under the <i>Fisheries Act</i> may be required. The need for EA circulation to DFO should be determined following the steps in the link provided at left.
Health Canada			
Maria Yu, Environmental Assessment Coordinator Environmental Health Program Regions and Programs Bureau Health Canada 180 Queen St. W Toronto ON M5V 3L7	1 electronic copy via email	T: 416-954-7381 F: 416-952-4444 maria.yu@hc-sc.gc.ca	No contact necessary; CEA Agency will decide if this department needs to be notified of project (for federal EA for project under CEAA). Exception is if it is determined specific expert advice is required on matters not covered by provincial agencies, including electric and magnetic fields, and radiation effects. They also have expertise on health risk assessment/management; federal air, water and soil quality guidelines/ standards used in human health risk assessment; multi-media toxicology; air quality health effects; drinking and recreational water quality; and noise impacts. Letter requesting expert advice should specify scope of project and assessment, the expertise requested, and sections of the EA to be reviewed.
Kiran Anwar Environmental Assessment Coordinator Environmental Health Program Regions and Programs Bureau Health Canada 180 Queen St. W Toronto ON M5V 3L7	1 electronic copy via email	T: 416-954-5020 F: 416-952-4444 kiran.anwar@hc-sc.gc.ca	
Transport Canada			
Transport Canada does not require receipt of all individual or Class EA related notifications. Proponents are requested 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	Electronic copy	EnviroOnt@tc.gc.ca	Contact to see if they have an interest in the EA. 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,

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
<p>(see list to the right of the most common Acts that Transport Canada administers that have been applied to EA projects).</p> <p>If the proponent has determined that Transport Canada will not provide an approval/or authorization related to their project, Transport Canada is to be removed from the project distribution list.</p>			<p>performing a function or duty in relation to that project.</p> <p>The proponent should revise 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).</p> <p>Summary of most common Acts administered by TC that have applied to projects in an EA context:</p> <ul style="list-style-type: none"> • Navigation Protection Act (NPA) – 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) – 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

Name, Position, Agency and Address	Document Form	Phone, Fax and Email	Types of EA Projects to be Circulated
			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.
Mr. Yvon Larochelle, Director of Environmental Services Ottawa International Airport Suite 2500 110 Airport Parkway Private Ottawa ON K1V 9B4	Prefers electronic copy	T: 613-248-2000 Ext.1157 F: 613-248-2003 yvon.larochelle@ottawa-airport.ca	Projects potentially affecting the Ottawa International Airport.
Mr. Derek Gray Manager, Environmental Services Greater Toronto Airport Authority Lester B. Pearson International Airport 3111 Convair Drive, P.O. Box 6031 Mississauga ON L5P 1B2	Prefers electronic copy	T: 416-776-3049 derek.gray@gtaa.com	Projects potentially affecting Pearson Airport and surrounding area including the 401, 427, 409 and 407, as well as those affecting east Pickering Airport site.
CN Rail			
Stefan Linder, Manager, Public Works Design & Construction CN Rail 4 Welding Way off Administration Road Vaughan ON L4K 1B9	1 hard copy	T: 905-669-3264 F: 905-760-3406 stefan.linder@cn.ca	Projects affecting railway lines. Technical advice and information only
MUNICIPALITIES			
<p>It is the proponent's responsibility to distribute all EA-related material to the appropriate contact persons in the relevant departments at the affected lower-, upper- or single-tier municipality or municipalities. The municipality will determine which contacts will respond or if one will respond for all departments (excludes Fire Department, Police Department and School Boards which get their own circulation and provide their own comments or sign-off as they are designates of provincial ministries).</p> <p>The EAA also requires that all Notices of ToR submission (section 6. (3.3)) and all Notices of EA Submission (section 6.3(3)) be filed with the Clerk of each Municipality in which the undertaking is to be carried out, but the Clerk is usually not the person designated by the municipality for providing comments or sign-offs on individual EAs or Class EAs.</p> <p>For a Municipal Directory and more information regarding Ontario Municipalities please go to the following web pages: http://www.mah.gov.on.ca/page1591.aspx http://www.amo.on.ca/</p>			

Government Review Team - Last Updated January 24, 2017 (based on email from Adam Sanzo [MOECC] on Dec. 1, 2016)

Title	First Name	Last Name	Job Title	Department	Sub-department	Address	Address 2	City	Province	Postal Code	Phone	Fax	Email	Comments
Ms.	Susan	Rapin	Director, Environmental Services	Ontario Power Generation		700 University Ave		Toronto	Ontario	M5G 1X6	416-592-6399		susan.rapin@opg.com	REMOVE - project not within 2 km of OPG site
Mr.	Walter	Kloostra	Manager, Transmission Lines Sustainm	Hydro One Networks Inc		483 Bay Street	North Tower, 15th Floor	Toronto	Ontario	M5G 2P5	416-345-5114	416-345-5443	w.d.kloostra@HydroOne.com	REMOVE - project will not directly impact HONI facilities
Ms.	Bonnie	Fox	Policy and Planning Manager	Conservation Ontario		120 Bayview Park	Box 11	Newmarket	Ontario	L3Y 4W3	905-895-0716 ex 905-895-0751		bfox@conservationontario.ca	REMOVE - project is not related to province-wide EA matter
Ms.	Bonnie	Boyde	Environmental Planner and Risk Manag	South Nation Conservation Authority		38 Victoria Street	P.O. Box 29	Finch	Ontario	K0C 1K0	613-984-2948	613-984-2872		
Ms.	Rachael	Manson-Smith	Manager (A), Ministry Partnerships Un	Ministry of Aboriginal Affairs		160 Bloor Street E	4th Floor	Toronto	Ontario	M7A 2E6	416-325-7032		maa.ca-review@ontario.ca	Only contact her to identify/confirm Aboriginal communities for notification
Mr.	David	Cooper	Manager, Environmental & Land Use P	Ministry of Agriculture, Food and Rural Affairs	Food Safety and Environmental Policy Branch	1 Stone Road W	3 rd Floor	Guelph	Ontario	N1G 4Y2	519-826-3117	519-826-3109	david.cooper@ontario.ca	REMOVE - project is not province-wide and affects agricultural land
Mr.	John	O'Neill	Rural Planner	Ministry of Agriculture, Food and Rural Affairs	Food Safety and Environmental Policy Branch	59 Ministry Rd., 1	Box 2004, ORC Build	Kemptville	Ontario	K0G 1J0	613-258-8341	613-258-8392	john.o'neill@ontario.ca	Rural Planner for Eastern Region (includes Stormont, Dundas and Glengarry)
Ms.	Laura	Hatcher	Team Lead - Heritage Land Use Plannin	Ministry of Tourism and Culture	Heritage Program Unit, Programs and Services Branch	401 Bay Street	Suite 1700	Toronto	Ontario	M7A 0A7	416-314-3108	416-314-7175	laura.e.hatcher@ontario.ca	
			Manager, East Region	Ministries of Citizenship and Immigration, Tourism, Culture and		347 Preston Street	4th Floor	Ottawa	Ontario	K1S 3J4	613-742-3366	613-742-5300		Position currently vacant
	Weifang	Dong	Manager (A), Division Policy Branch	Ministry of Tourism, Culture and Sport	Sport, Recreation and Community Programs Division	777 Bay Street	18th Floor	Toronto	Ontario	M7A 1S5	416-212-9311		Weifang.dong@ontario.ca	REMOVE - does not affect trails, parkland, or open scape that support recreation
Ms.	Lisa	Myslicki	Environmental Specialist, Realty Service	Infrastructure Ontario		1 Dundas Street W	Suite 2000	Toronto	Ontario	M5G 2L5	416-212-3768	416-326-9905	Lisa.Myslicki@infrastructureontario.ca	REMOVE - no direct impact on IO facilities
Mr.	Peter	Reed	Director, Land Use Planning	Infrastructure Ontario		1 Dundas Street W	Suite 2000	Toronto	Ontario	M5G 2L6	416-578-6740	416-327-4194	Peter.Reed@infrastructureontario.ca	REMOVE - not adjacent to IO facilities/land
Mr.	Tate	Kelly	Planning Coordinator	Infrastructure Ontario		1 Dundas Street W	Suite 2000	Toronto	Ontario	M5G 2L7	416-327-1925	416-327-4194	Tate.Kelly@infrastructureontario.ca	REMOVE - not adjacent to IO facilities/land
Mr.	Robert	Greene	Director	Ministry of Community Safety and Correctional Services		25 Grosvenor Street	George Drew Building	Toronto	Ontario	M7A 2G8	416-314-6683	416-314-3225	Robert.Greene@Ontario.ca	
Ms.	Jennifer	Batchelor	Research and Program Evaluation, Bus	Ontario Provincial Police		777 Memorial Ave	1st Floor	Orillia	Ontario	L3V 7V3	705-329-7567	705-329-7596	Jennifer.Batchelor@opp.ca	REMOVE - will not directly impact on OPP detachments or provincial highways
Ms.	Joy	Fish-Pool	Manager, OPP Facilities Section	Ontario Provincial Police		777 Memorial Ave	1st Floor	Orillia	Ontario	L3V 7V4	705-329-6815	705-329-6808	joy.fishpool@opp.ca	REMOVE - will not directly impact on OPP detachments or provincial highways
Mr.	John	Bullen	Manager, Cabinet Office & Policy-Support Unit	Ministry of Economic Development, Employment and Infrastructure		900 Bay St	6th Floor, Hearst Bldg	Toronto	Ontario	M7A 2E1	416-325-0186	416-325-6825	john.bullen@ontario.ca	REMOVE - will not generate significant job creation or supply chain benefits to the
Mr.	Andrea	Pastori	Cabinet Liaison and Strategic Policy Br	Ministry of Energy	Strategic Policy and Analytics Branch, Strategic, Network	77 Grenville St	6th Floor	Toronto	Ontario	M7A 2C1	416-327-7276	416-327-7204	andrea.pastori@ontario.ca	REMOVE - no energy implications
Mr.	Tony	Amalfa	Policy & Programs	Ministry of Health and Long-Term Care		393 University Avenue	21st Floor	Toronto	Ontario	M7A 2S1	416-327-7624	416-327-0984	tony.amalfa@ontario.ca	
Dr.	Paul	Roumeliotis	Medical Officer of Health	Eastern Ontario Health Unit		1000 Pitt Street		Cornwall	Ontario	K6J 5T1	613-933-1375	613-933-7930		
Mr.	Victor	Doyle	Manager, Planning Innovation Section	Ministry of Municipal Affairs	Provincial Planning Policy Branch	777 Bay Street	13th Floor	Toronto	Ontario	M5G 2E5	416-585-6109	416-585-6870	Victor.doyle@ontario.ca	REMOVE - will not have effects in multiple regions or province wide
Mr.	Charles	O'Hara	Manager, Growth Policy	Ministry of Municipal Affairs	Ontario Growth Secretariat	777 Bay Street	13th Floor	Toronto	Ontario	M5G 2E6	416-325-5794	416-325-7403	charles.o'hara@ontario.ca	
Mr.	Michael	Elms	Manager, Community Planning and Development	Ministry of Municipal Affairs & Housing	Eastern Municipal Services Office	8 Estate Lane	Rockwood House	Kingston	Ontario	K7M 9A8	613-545-2132	613-548-6822	Michael.elms@ontario.ca	
Ms.	Sally	Renwick	Team Lead, Priorities and Planning-Section	Ministry of Natural Resources and Forestry	Aboriginal Policy Branch, Policy Division	300 Water Street	5th Floor, North Tower	Peterborough	Ontario	K9J 3C7	705-755-5195	705-755-1971	Sally.renwick@ontario.ca	REMOVE - not provincial wide application
Ms.	Laura	Melvin	District Planner	Ministry of Natural Resources and Forestry	Kemptville District	10 Campus Dr, PO Box 2002	Provincial Government Bldg	Kemptville	Ontario	K0G 1J0	613-258-8470	613-258-3920	laura.melvin@ontario.ca	
	Erin	Cotnam	Regional Planning Coordinator	Ministry of Natural Resources and Forestry	Southern Region	300 Water Street, Box 7000	4th Floor, South Tower	Peterborough	Ontario	K9J 8M5	705-755-3215	705-755-3289	erin.cotnam@ontario.ca	REMOVE - EA not in any of the areas noted or in two or more districts
Ms.	Priya	Tandon	Director, Corporate Policy Secretariat	Ministry of Northern Development and Mines		99 Wellesley St. W	Rm. 5630, Whitney Block	Toronto	Ontario	M7A 1W3	416-327-0302	416-327-0634	priya.tandon@ontario.ca	
Mr.	Alan	Rishworth	Policy Intern, Corporate Policy Secretariat	Ministry of Northern Development and Mines		100 Wellesley St. W	Rm. 5630, Whitney Block	Toronto	Ontario	M7A 1W4	416-327-0625	647-723-2126	Alan.rishworth@ontario.ca	
Mr.	Jonathan	Barret	Manager (A), Strategic Support Unit	Ministry of Northern Development and Mines		933 Ramsey Lake Rd	Willet Green Miller Centre, 6th Floor	Sudbury	Ontario	P3E 6B5	705-670-5806	705-670-5803	Jonathan.barrett@ontario.ca	
Mr.	John	Hall	Regional Initiatives Coordinator, Strategic Support Unit	Ministry of Northern Development and Mines		934 Ramsey Lake Rd	Willet Green Miller Centre, 6th Floor	Sudbury	Ontario	P3E 6B6	705-670-5615	705-670-5803	John.hall@ontario.ca	
Mr.	Dan	Kelly	Fire Chief for Station #1 (Winchester)	Local Fire Department										
Mr.	John	Fraser	Manager, Northeastern Region	Ministry of Transportation		447 McKeown Ave	Ontario Government Bldg, Suite 201	North Bay	Ontario	P1B 9S9	705-497-5500	705-497-5208	john.fraser2@ontario.ca	REMOVE - no impact to provincial highways, not within 400 m of highway, no potential for creation of changes to traffic volumes, no need to access areas where roads don't already exist
Ms.	Anjala	Puvananathan	Director, Ontario Region	Canadian Environmental Assessment Agency		55 St. Clair Avenue East	Suite 907	Toronto	Ontario	M4T 1M2	416-952-1575	416-952-1573	Anjala.puvananathan@ceaa-acee.gc.ca	

Title	First Name	Last Name	Job Title	Department	Sub-department	Address	Address 2	City	Province	Postal Code	Phone	Fax	Email	Comments
				Indigenous and Northern Affairs Canada										REMOVE - not on Aboriginal reserve lands
Mr.	Rob	Dobos	Manager, Environmental Assessment Section	Environment and Climate Change Canada	Environmental Protection Branch - Ontario Region	867 Lakeshore Rd.		Burlington	Ontario	L7R 4A6	905-336-4953		rob.dobos@canada.ca	
				Fisheries and Oceans Canada										REMOVE - self assessed as note required.
				Transport Canada										
Mr.	Yvon	Larochelle	Director of Environmental Services	Ottawa International Airport		Suite 2500 110 Airport Parkway Private		Ottawa	Ontario	K1V 9B4	613-248-2000	613-248-2003	yvon.larochelle@ottawa-airport.ca	
Mr.	George	Domaradski	President, Rideau Valley Soaring	Rideau Valley Air Park		P.O. Box 1164		Manotick	Ontario	K4M 1A9	613-366-8208			club.pres@rvss.ca
Ms.	Jo-Anne	McCaslin	Deputy CAO / Clerk	Township of North Dundas		636 St. Lawrence	P.O. Box 489	Winchester	Ontario	K0C 2K0	613-774-2105 ext	613-774-5699	jmccaslin@northdundas.com	
Ms.	Helen	Thomson	Director of Council Services/Clerk	Counties of Stormont, Dundas and Glengarry		26 Pitt Street		Cornwall	Ontario	K6J 3P2	613-932-1515	613-936-2913		
Mr.	Luc	Poulin	Director, Property Services	Conseil des écoles catholiques du Centre-Est		4000 Labelle St.		Ottawa	Ontario	K1J 1A1	613-744-2555		poullil@ecolecatholique.ca	
Mr.	Peter	Bosch	Manager, Design and Construction	Upper Canada District School Board		225 Central Avenue West		Brockville	ON	K6V 5X1	613-342-0371 x 1297	1-800-267-7131		
Ms.	Bonnie	Norton		Catholic District School Board of East	Kemptville Board Office	2755 Highway 43		Kemptville	ON	K0G 1J0	613-258-7757 x2	613-258-7134	bonnie.norton@cdsbeo.on.ca	
Mr.	Marc	Paquette	Site Manager	Conseil des écoles publiques de l'Est de l'Ontario		2445, Boulevard St-Laurent		Ottawa	ON	K1G 6C3	613-742-8960	x3175	marc.paquette@cepeo.on.ca	
Ms.	Kathleen	Hedley	Director, Environmental Approvals Branch	Ministry of the Environment and Climate Change		135 St. Clair Avenue	1st Floor	Toronto	Ontario	M4V 1P5	416-314-7288		kathleen.hedley@ontario.ca	
Mr.	Adam	Sanzo	Project Officer, Environmental Assessment Services	Ministry of the Environment and Climate Change	Environmental Approvals Branch	135 St. Clair Avenue W		Toronto	Ontario	M4V 1P5	416-314-8360		adam.sanzo@ontario.ca	
Ms.	Terri	Forrester	Senior Environmental Officer, Cornwall Area Office	Ministry of the Environment and Climate Change		1st Floor, 113 Amelia Street		Cornwall	Ontario	K6H 3P1	613-933-8562		terri.forrester@ontario.ca	

Government Review Team - Last Updated October 6, 2017

Title	First Name	Last Name	Job Title	Department	Sub-department	Address	Address 2	City	Province	Postal Code	Phone	Fax	Email	Comments
Ms.	Marika	Livingston	Environmental Planner	South Nation Conservation Authority		38 Victoria Street	P.O. Box 29	Finch	Ontario	K0C 1K0	613-984-2948	613-984-2872	mlivingston@nation.on.ca	
Mr.	David	Cooper	Manager, Environmental & Land Use Policy	Ministry of Agriculture, Food and Rural Affairs	Food Safety and Environmental Policy Branch	1 Stone Road W	3 rd Floor	Guelph	Ontario	N1G 4Y2	519-826-3117	519-826-3109	david.cooper@ontario.ca	
Mr.	John	O'Neill	Rural Planner	Ministry of Agriculture, Food and Rural Affairs	Food Safety and Environmental Policy Branch	59 Ministry Rd., 1st Floor	Box 2004, ORC Build	Kemptville	Ontario	K0G 1J0	613-258-8341	613-258-8392	john.o'neill@ontario.ca	Rural Planner for Eastern Region
Ms.	Katherine	Kirzati	Heritage Planner	Ministry of Tourism and Culture	Heritage Program Unit, Programs and Services Branch	401 Bay Street	Suite 1700	Toronto	Ontario	M7A 0A7	416-314-5424	416-314-7175	katherine.kirzati@ontario.ca	
Mr.	Daniel	de Moissac	Heritage Planner (Acting)	Ministry of Tourism and Culture	Heritage Program Unit, Programs and Services Branch	401 Bay Street	Suite 1700	Toronto	Ontario	M7A 0A7	416-314-5424	416-314-7175	daniel.demoissac@ontario.ca	
Ms.	Karla	Barboza	Team Lead - Heritage (Acting)	Ministry of Tourism and Culture	Heritage Program Unit, Programs and Services Branch	401 Bay Street	Suite 1700	Toronto	Ontario	M7A 0A7	416-314-7120	416-314-7175	karla.barboza@ontario.ca	
Mr.	Jean	Huard	Manager (Acting), East Region	Ministries of Citizenship and Immigration, Tourism, Culture and		347 Preston Street	4th Floor	Ottawa	Ontario	K1S 3J4	613-742-3366	613-742-5300	jean.huard@ontario.ca	Position currently vacan
Mr.	Robert	Greene	Director	Ministry of Community Safety and Correctional Services		25 Grosvenor Street	George Drew Buildi	Toronto	Ontario	M7A 2G8	416-314-6683	416-314-3225	Robert.Greene@Ontario.ca	
Mr.	Tony	Amalfa	Programs	Ministry of Health and Long-Term Care		393 University Avenue	21st Floor	Toronto	Ontario	M7A 2S1	416-327-7624	416-327-0984	tony.amalfa@ontario.ca	
Dr.	Paul	Roumeliotis	Medical Officer of Health	Eastern Ontario Health Unit		1000 Pitt Street		Cornwall	Ontario	K6J 5T1	613-933-1375	613-933-7930		
Mr.	Charles	O'Hara	Manager, Growth Policy	Ministry of Municipal Affairs	Ontario Growth Secretariat	777 Bay Street	13th Floor	Toronto	Ontario	M5G 2E6	416-325-5794	416-325-7403	charles.o'hara@ontario.ca	
Mr.	Michael	Elms	Manager, Community Planning and Development	Ministry of Municipal Affairs & Housing	Eastern Municipal Services Office	8 Estate Lane	Rockwood House	Kingston	Ontario	K7M 9A8	613-545-2132	613-548-6822	Michael.elms@ontario.ca	
Ms.	Laura	Melvin	District Planner	Ministry of Natural Resources and Forestry	Kemptville District	10 Campus Dr, PO Box 2002	Provincial Government Bldg	Kemptville	Ontario	K0G 1J0	613-258-8470	613-258-3920	laura.melvin@ontario.ca	
Ms.	Priya	Tandon	Director, Corporate Policy Secretariat	Ministry of Northern Development and Mines		99 Wellesley St. W	Rm. 5630, Whitney Block	Toronto	Ontario	M7A 1W3	416-327-0302	416-327-0634	priya.tandon@ontario.ca	
Mr.	Alan	Rishworth	Policy Intern, Corporate Policy Secretariat	Ministry of Northern Development and Mines		100 Wellesley St. W	Rm. 5630, Whitney Block	Toronto	Ontario	M7A 1W4	416-327-0625	647-723-2126	Alan.rishworth@ontario.ca	
Mr.	Jonathan	Barret	Manager (A), Strategic Support Unit	Ministry of Northern Development and Mines		933 Ramsey Lake Rd	Willet Green Miller Centre, 6th Floor	Sudbury	Ontario	P3E 6B5	705-670-5806	705-670-5803	Jonathan.barrett@ontario.ca	
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Mr.	Luc	Poulin	Director, Property Services	Conseil des écoles catholiques du Centre-Est		4000 Labelle St.		Ottawa	Ontario	K1J 1A1	613-744-2555		pouli@ecolecatholique.ca	
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Mr.	Phil	Barnes	Raison River Conservation Authority										Phil.Barnes@rrca.on.ca	

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Ms.	Karla	Barboza	Team Lead - Heritage (Acting); Ms. Barboza will distribute to other team members as required	Ministry of Tourism and Culture	Heritage Program Unit, Program	401 Bay Street	Suite 1700	Toronto	Ontario	M7A 0A7	416-314-7120	416-314-7175	karla.barboza@ontario.ca
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Mr.	George	Domaradski	President, Rideau Valley Soaring	Rideau Valley Air Park		P.O. Box 1164		Manotick	Ontario	K4M 1A9	613-366-8208		club.pres@rvss.ca
Ms.	Jo-Anne	McCaslin	Deputy CAO / Clerk	Township of North Dundas		636 St. Lawrence Street	P.O. Box 489	Winchester	Ontario	K0C 2K0	613-774-2105 ext	613-774-5699	jmccaslin@northdundas.com
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Mr.	Luc	Poulin	Director, Property Services	Conseil des écoles catholiques du Centre-Est		4000 Labelle St.		Ottawa	Ontario	K1J 1A1	613-744-2555		poull@ecolecatholique.ca
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Mr.	Marc	Paquette	Site Manager	Conseil des écoles publiques de l'Est de l'Ontario		2445, Boulevard St-Laurent		Ottawa	ON	K1G 6C3	613-742-8960	x3175	marc.paquette@cepeo.on.ca	
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Mr.	Rob	Dobos	Manager, Environmental Assessment Section	Environment and Climate Change Canada	Environmental Protection Branch - Ontario Region	867 Lakeshore Rd.		Burlington	Ontario	L7R 4A6	905-336-4953		rob.dobos@canada.ca	
Mr.	Dan	Kelly	Fire Chief for Station #1 (Winchester)	Local Fire Department		636 St. Lawrence Street	P.O. Box 489	Winchester	Ontario	K0C 2K0	613-223-8687	613-774-5699	winchesterfire@northdundas.com	Mailbox within the TWP Municipal Office (NOC to be printed and delivered in his mailbox)
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Ms.	Karla	Barboza	Team Lead - Heritage (Acting); Ms. Barboza will distribute to other team members as required	Ministry of Tourism, Culture and Sport	Heritage Program Unit, Program	401 Bay Street	Suite 1700	Toronto	Ontario	M7A 0A7	416-314-7120	416-314-7175	karla.barboza@ontario.ca	
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Mr.	George	Domaradski	President, Rideau Valley Soaring	Rideau Valley Air Park		P.O. Box 1164		Manotick	Ontario	K4M 1A9	613-366-8208 ext 1157		club_pres@rvss.ca	
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Mr.	Phil	Barnes	Raison River Conservation Authority			18045 County Road 2	P.O. Box 429	Cornwall	Ontario	K6H 5T2	613-938-3611 x 240		Phil.Barnes@rrca.on.ca	

APPENDIX C

Indigenous Consultation

Appendix C1 Aboriginal Communities Distribution List

Appendix C2 NOC and OH#1

Appendix C3 OH#2

Appendix C4 Draft TOR

Appendix C-1 Aboriginal Communities Distribution List



2 December 2016

Via email: Adam.Sanzo@ontario.ca

Mr. Adam Sanzo, Project Officer
Project Coordination - Team 1
Ontario Ministry of Environment and Climate Change
135 St. Clair Ave W, 1st Floor
Toronto, ON
M4V 1P5

Request for Information Pertaining to Indigenous Communities Groups with a Potential Interest in the Individual Environmental Assessment for the Proposed Expansion of the Boyne Road Landfill, Township of North Dundas

Project Reference:1648253_DOC003

Dear Mr. Sanzo,

The Township of North Dundas (the Township) will soon be initiating an Individual Environmental Assessment (EA) for an expansion of the Boyne Road Landfill within the Township (the project). As part of the EA process, the Township will be consulting with members of the public, stakeholder groups and Indigenous communities. We have prepared a draft list of Indigenous communities who we feel might have a potential interest in the project. It would be appreciated if you would review and comment on the list of Indigenous communities identified, confirm the contacts for each of the communities and share any known, community-specific consultation procedures.

Project Description

In 2014, it was determined that the Boyne Road Landfill (the site) exceeded its approved capacity and was in an overfill situation. An emergency Environmental Compliance Approval (Emergency ECA) was granted for the temporary continuation of landfilling operations at the site. Subsequently, the Township undertook an evaluation of waste management alternatives to address the overfill situation that included: closing the landfill and exporting waste; expanding the current landfill; establishing a new landfill; or utilizing alternative technologies. Based on the findings of this evaluation, the Township Council decided to pursue Ministerial approvals to expand the landfill to provide long-term waste management services for the Township.

At this time, the Township is proposing a focused EA that would build on this previously completed work and emphasize an evaluation of alternative methods for the expansion of the Boyne Road Landfill for a planning period of 25 years from the issuance of all necessary approvals (i.e., EA and ECA).

Project Location

The Boyne Road Landfill is located along Boyne Road, approximately 1.5 kilometres (km) east of the Village of Winchester on Lot 8, Concession VI in the former Township of Winchester (Attachment A). The landfill is bounded by Boyne Road to the north, a woodlot to the east and agricultural land to the south and west. Other land uses in the vicinity of the site include a snow disposal site and rural residential dwellings located further than 500 metres from the site.

Potentially Interested Indigenous Communities

This area of Ontario is covered by the Southern Ontario treaties (1764-1862) signed between the Crown and 21 Indigenous communities (Government of Canada, 2016a). A search of the Aboriginal and Treaty Rights Information System, hosted by the Government of Canada (2016b) identified the following comprehensive claims within 100 km of the project:

- **Algonquin Anishinabag Nation (2010)**, which includes seven First Nations (communauté anicinape de Kitcisakik, Conseil de la Première Nation Abitibiwinni, Eagle Village First Nation – Kipawa, Kitigan Zibi Anishinabeg, Long Point First Nation, Nation Anishnabe du Lac Simon, Wahgoshig First Nation)
- **Algonquins of Ontario (1983)** by the Algonquins of Pikwakanagan First Nation
- **Mohawks of Quebec (1975)** by the Mohawks of Akwesasne, Mohawks of Kanesatake and Mohawks of Kahnawá:ke

In addition to the comprehensive claims, within 100 km of the site, there is also an area subject to out-of-court negotiations between the Crown and the Six Nations of the Grand River (2016b). This area is located approximately 75 km northeast of the site near the Town of Hawkesbury, Ontario.

Based on our review, there are also three reserves within 100 km of the site (Attachment B), associated with two First Nation bands:

- Mohawks of Akwesasne (Band 159)
- Mohawks of Kanesatake (Band 69)

The nearest reserve, located approximately 40 km south of the site along the St. Lawrence River, is affiliated with the Mohawks of Akwesasne. The reserve associated with the Mohawks of Kanesatake is located within the Province of Québec.

All of the specific claims associated with each of the bands is presented in Attachment D (2016c). All but one have previously been resolved and the outstanding claim does not overlap the area within 100 km of the Project.

Proposed Consultation List

Given the location and nature of the proposed Project (expansion of an existing landfill to provide long-term waste management services for the Township), it is proposed that the distribution list be limited to those Indigenous communities for which there is an overlap between the Project and either an established or claimed right; or an affiliated reserve located within 100 km in the Province of Ontario.

Based on the information provided above, the Township proposes to circulate the Notice of Commencement to the following Indigenous communities in an effort to engage with them in discussions regarding the Project.

- Algonquin Anishinabag Nation Tribal Council
- Algonquins of Pikwakanagan First Nation (Band 163)
- Communauté anicinape de Kitcisakik (Band 62)
- Conseil de la Première Nation Abitibiwinini (Band 55)
- Eagle Village First Nation – Kipawa (Band 65)
- Kitigan Zibi Anishinabeg (Band 73)
- Long Point First Nation (Band 67)
- Métis Nation of Ontario
- Mohawks of Akwesasne (Band 159)
- Nation Anishnabe du Lac Simon (Band 63)
- Wahgoshig First Nation (Band 233)

It would be appreciated if you would review and comment on the list of Indigenous communities we have identified, confirm the contacts for each of the communities and share any known, community-specific consultation procedures.

Please send all enquiries or responses to:

Paul Smolkin, P.Eng.
Principal
Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7
Paul_Smolkin@golder.com
613-592-9600

Yours truly,

GOLDER ASSOCIATES LTD.



Paul Smolkin, P.Eng.
Principal

SS/PAS

CC: Doug Froats, Township of North Dundas

Attachments: Attachment A – Project Location Map
Attachment B – Reserves within 100 km of the Boyne Road Landfill Site
Attachment C – Contact Details for Indigenous Communities
Attachment D – Specific Claims Status Reports

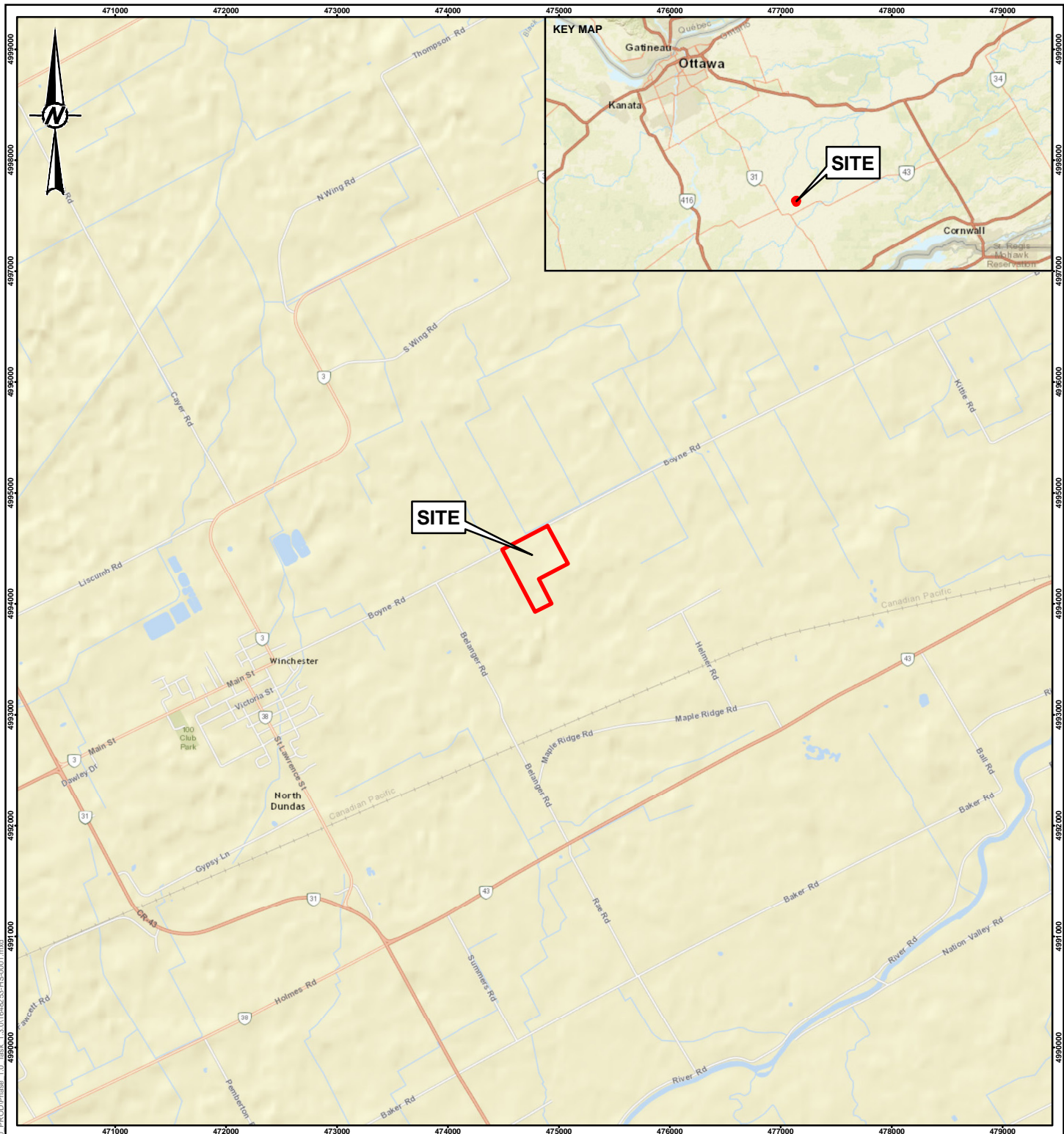
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- Government of Canada. 2016a. Southern Ontario Treaties (1764-1862). Available from: http://sidait-atris.aadnc-aandc.gc.ca/atris_online/Content/TreatiesAndAgreementsView.aspx. Last accessed November 23, 2016
- Government of Canada. 2016b. ATRIS. Available from: http://sidait-atris.aadnc-aandc.gc.ca/atris_online/Content/Search.aspx. Last accessed November 23, 2016
- Government of Canada. 2016c. Reporting Centre on Specific Claims. Available from: http://services.aadnc-aandc.gc.ca/SCBRI_E/Main/ReportingCentre/External/externalreporting.aspx. Last accessed November 23, 2016

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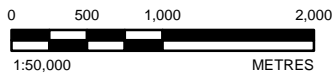
ATTACHMENT A

Project Location Map



LEGEND

 SITE



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. AND TOWNSHIP OF NORTH DUNDAS LETTER (1648253_DOC003)

REFERENCE(S)

1. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, DELORME, USGS, INTERMAP, INCREMENT P CORP., NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI (THAILAND), MAPMYINDIA, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: UTM ZONE 18 VERTICAL DATUM: CGVD28

CLIENT

TOWNSHIP OF NORTH DUNDAS

PROJECT

INDIVIDUAL ENVIRONMENTAL ASSESSMENT FOR THE PROPOSED EXPANSION OF THE BOYNE ROAD LANDFILL

TITLE

PROJECT LOCATION MAP

CONSULTANT



YYYY-MM-DD 2016-11-24

DESIGNED YJM

PREPARED BR

REVIEWED YJM

APPROVED PAS

PROJECT NO.
1648253

PHASE
1.0

REV.
0

FIGURE
1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm

ATTACHMENT B

Reserves within 100 km of the Boyne Road Landfill Site

Attachment B – Reserves Located within 100 km of the Boyne Road Landfill Site

Reserve Name	Associated Communities	Proximity to the Project
Akwesasne No. 15	Mohawks of Akwesasne	60 km east
Akwesasne No. 59	Mohawks of Akwesasne	40 km south and 45 km east
Kanesatake Lands	Mohawks of Kanesatake	100 km northeast (in Québec)

ATTACHMENT C

Contact Details for Indigenous Communities

Attachment C – Contact Details for Indigenous Communities

Indigenous Communities	Contact Details
<u>Algonquin Anishinabag Nation Tribal Council</u> (Band 1093)	81 Kichi Mikan, Maniwaki, ON, J9E 3C3 Phone: 819-449-1225 Fax: 819-449-8064
<u>Algonquins of Pikwakanagan First Nation</u> (Band 163)	PO Box 100, Golden Lake, ON, K0J 1X0 Phone: 613-625-2800 Fax: 613-625-2332
<u>Communauté anicinape de Kitcisakik</u> (Band 62)	615 avenue Centrale, Bureau 100 Val D'Or, QC, J9P 1P9 Phone: 819-736-3001 Fax: 819-736-3012
<u>Conseil de la Première Nation Abitibiwinni</u> (Band 55)	45 rue Migwan, Pikogan, QC, J9T 3 ^a 3 Phone: 819-732-6591 Fax: 819-732-1569
<u>East Village First Nation – Kipawa</u> (Band 65)	PO Box 756, Temiscaming, QC, J0Z 3R0 Phone: 819-627-3455 Fax: 819-627-9428
<u>Kitigan Zibi Anishinabeg</u> (Band 73)	1 Paganakomin Mikan Street, PO Box 309 Maniwaki, QC, J9E 3C9 Phone: 819-449-5170 Fax: 819-449-5673
<u>Long Point First Nation</u> (Band 67)	112 Kakinwawigak Mikana, PO Box 1 Winneway, QC, J0Z 2J0 Phone: 819-722-2441 Fax: 819-722-2579
<u>Métis Nation of Ontario</u>	500 Old St. Patrick St, Unit 3 Ottawa, ON, K1N 9G4 Phone: 613-798-1488 Fax: 613-722-4225
<u>Mohawks of Akwesasne</u> (Band 159)	PO Box 579, Cornwall, ON, K6H 5T3 Phone: 613-575-2250 Fax: 613-575-2181
<u>Nation Anishnabe du Lac Simon</u> (Band 63)	1026 Boulevard Cicip, CP 139 Lac Simon, QC, J0Y 3M0 Phone: 819-736-4501 Fax: 819-736-7311
<u>Wahgoshig First Nation</u> (Band 233)	RR 3, Matheson, ON, P0K 1N0 Phone: 705-273-2055 Fax: 705-273-2900

Source: Government of Canada. 2016. First Nation Profiles. Available from:
<http://fnp-ppn.aandc-aadnc.gc.ca/fnp/Main/Search/SearchFN.aspx?lang=eng>.

Last accessed on November 23, 2016

ATTACHMENT D

Specific Claims Status Reports



Status Report on Specific Claims

ONTARIO (6)

Claimant & Claim Name	Current Status & Description	Key Dates (yyyy/mm/dd)
Mohawks of Akwesasne (BAND-159)		
Cairn Island	Concluded No Lawful Obligation Found The First Nation alleges that additional compensation is required for the improper taking, loss of use and other losses associated with the taking of the island in 1922.	<ul style="list-style-type: none">- Date Claim Filed: 2008/10/16- Date Legal Opinion Signed: 2009/01/21- Not Accepted for Negotiations: 2009/08/12
Dundee	In Negotiations Active Alleged improper surrender of lands in Dundee township and claim to unpatented lands on the areas adjacent to existing reserve boundaries. The claim is located in the Province of Quebec.	<ul style="list-style-type: none">- Research Start Date : 1981/09/29- Date Litigation Became Active : 2002/02/25- Date Legal Opinion Signed: 2002/05/27- Claimant Agreed to Negotiate: 2003/05/13- Canada Offered to Negotiate: 2008/10/16
Islands in the St-Lawrence	Concluded No Lawful Obligation Found Alleged ownership of Islands in the St.Lawrence between Gananoque and Prescott and alleged that in 1856 when they ceded their land bordering on the St.Lawrence, the Islands were not included, and the islands were therefore unlawfully sold and patented.	<ul style="list-style-type: none">- Research Start Date : 1999/09/10- Not Accepted for Negotiations: 2007/08/01
Kawehno:ke	Settled Settled through Negotiations Alienation of 196 ac of reserve land in 1821; inadequate compensation of \$400/annum between 1920-1933; failure to generate revenue during 1933-34.	<ul style="list-style-type: none">- Research Start Date : 1996/09/10- Date Legal Opinion Signed: 2003/07/29- Claimant Agreed to Negotiate: 2006/11/07- Canada Offered to Negotiate: 2008/10/16- Settlement Signed by Claimant: 2012/07/09- Settlement Signed by Canada: 2012/09/17



Status Report on Specific Claims

ONTARIO (6)

Claimant & Claim Name	Current Status & Description	Key Dates (yyyy/mm/dd)
Mohawks of Akwesasne (BAND-159)		
The North Shore	Concluded No Lawful Obligation Found Alleges a breach of treaties, fiduciary obligations and taking land without paying compensation.	- Date Claim Filed: 2012/10/10 - Research Start Date : 2012/10/11 - Date Legal Opinion Signed: 2014/03/06 - Not Accepted for Negotiations: 2016/04/06
Wahgoshig First Nation (BAND-233)		
Validity of the Joint Ownership of Abitibi IR 70	Concluded No Lawful Obligation Found FN alleges the 1951 and 1974 division of assets between the Wahgoshig First Nation and Abitibiwinni FN (Quebec) was unfair, and the government failed to protect the First Nation's Treaty 9 interests. The FN also alleges the unfair division of assets constitutes a breach of Canada's fiduciary duty."	- Date Claim Filed: 2008/10/16 - Not Accepted for Negotiations: 2010/08/06

Edmond, Trish

Subject: FW: Township of North Dundas - Boyne Rd LF Expansion EA

From: Sanzo, Adam (MOECC) [<mailto:Adam.Sanzo@ontario.ca>]
Sent: February-02-17 10:35 AM
To: Marcerou, Yannick <Yannick_Marcerou@golder.com>
Subject: FW: Township of North Dundas - Boyne Rd LF Expansion EA

To discuss during our call-see below

Adam Sanzo | Project Officer
Ministry of the Environment and Climate Change | Environmental Approvals Branch
135 St. Clair Avenue West | Toronto, Ontario M4V 1P5
Tel: 416-314-8360 | Fax: 416-314-8452
Email: adam.sanzo@ontario.ca | Website: <http://www.ene.gov.on.ca/>

From: Brown, Peter (MOECC)
Sent: January 31, 2017 3:14 PM
To: Sanzo, Adam (MOECC)
Subject: RE: Township of North Dundas - Boyne Rd LF Expansion EA

Hi Adam,

Thanks for forwarding... if they are considering a horizontal landfill expansion, our legal duty to consult is likely triggered. We need a bit more information about potential environmental effects to make that determination and identify the depth of consultation required – can you forward to me (project description, including potential effects?) or request from the proponent?

Assuming the DTC is triggered, we need to complete an Aboriginal Community Identification Template for review by Legal, etc. and formally delegate aspects of consultation to the proponent. This will identify the communities that have rights or interests potentially affected by the project. You can give the proponent the heads-up that this analysis will likely find that the Algonquins of Ontario (Consultation Office) and Huron Wendat (re. archaeological finds) should be added to their list. The Mohawks of Akwesasne will also be on the list, but I am not sure at this time if other communities they have identified need, or even should, be consulted.

It takes a few weeks to do the ACIT and get it reviewed...

Thanks,
Peter

Peter Brown
Aboriginal Consultation Advisor
Ministry of Environment and Climate Change
Environmental Approvals Access and Service Integration Branch
peter.brown@ontario.ca
416-326-9608

From: Stuyt, Shannon [mailto:Shannon_Stuyt@golder.com]
Sent: December 2, 2016 8:55 AM
To: Sanzo, Adam (MOECC); Marcerou, Yannick; Angela Rutley (arutley@northdundas.com); Doug Froats (dfroats@northdundas.com); dbelleau@northdundas.com; Smolkin, Paul
Subject: RE: Township of North Dundas - Boyne Rd LF Expansion EA

Good morning Adam,

Thank you very much for the call yesterday and for sending along the list so quickly. Attached is the summary and rationale for our proposed list of Indigenous communities to include in our initial distribution of the NOC for this project. Any insights or feedback would be greatly appreciated.

Cheers,
Shannon

Shannon Stuyt (M.Sc., MCIP, RPP) | ESIA Project Manager | **Golder Associates Ltd.**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 (613) 592 9600 | **D:** +1 613 592-9600 x4243 | **F:** +1 (613) 592 9601 | **C:** +1 613 617-2100 | **E:**
Shannon_Stuyt@golder.com | www.golder.com

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Please consider the environment before printing this email.

From: Sanzo, Adam (MOECC) [<mailto:Adam.Sanzo@ontario.ca>]
Sent: Thursday, December 01, 2016 2:42 PM
To: Stuyt, Shannon <Shannon_Stuyt@golder.com>; Marcerou, Yannick <Yannick_Marcerou@golder.com>; Angela Rutley (arutley@northdundas.com) <arutley@northdundas.com>; Doug Froats (dfroats@northdundas.com) <dfroats@northdundas.com>; dbelleau@northdundas.com; Smolkin, Paul <Paul_Smolkin@golder.com>
Subject: RE: Township of North Dundas - Boyne Rd LF Expansion EA

As discussed, here is the most recent GRT list

Let me know if you have any questions

Regards,

Adam Sanzo | Project Officer
Ministry of the Environment and Climate Change | Environmental Approvals Branch
135 St. Clair Avenue West | Toronto, Ontario M4V 1P5
Tel: 416-314-8360 | Fax: 416-314-8452
Email: adam.sanzo@ontario.ca | Website: <http://www.ene.gov.on.ca/>



Please consider supporting my Movember campaign by visiting <http://mobro.co/lordsanzo>

From: Stuyt, Shannon [mailto:Shannon_Stuyt@golder.com]
Sent: December 1, 2016 7:14 AM
To: Marcerou, Yannick; Sanzo, Adam (MOECC); Angela Rutley (arutley@northdundas.com); Doug Froats (dfroats@northdundas.com); dbelleau@northdundas.com; Smolkin, Paul
Subject: Township of North Dundas - Boyne Rd LF Expansion EA

Good morning,

In preparation for our teleconference this afternoon, please find attached the following documents:

- Proposed agenda
- The previously completed Waste Management Alternatives Evaluation (Golder 2015)
- A draft Community Engagement Plan

We look forward to speaking to you at 2pm today,

Shannon

Shannon Stuyt (M.Sc., MCIP, RPP) | ESIA Project Manager | **Golder Associates Ltd.**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 (613) 592 9600 | **D:** +1 613 592-9600 x4243 | **F:** +1 (613) 592 9601 | **C:** +1 613 617-2100 | **E:** Shannon_Stuyt@golder.com | www.golder.com

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DATE February 2, 2017**GOLDER REFERENCE No.** 1648253_Doc 010**TO** Adam Sanzo
MOECC, Environmental Approvals Branch**CC** D. Froats, Township of North Dundas**FROM** Yannick Marcerou, Paul Smolkin**EMAIL** ymarcerou@golder.com**GENERAL DESCRIPTION OF PROPOSED BOYNE ROAD LANDFILL EXPANSION PROJECT
TOWNSHIP OF NORTH DUNDAS, ONTARIO**

The purpose of this memorandum is to provide a general description of the proposed landfill expansion project, to assist the Ministry of the Environment and Climate Change's (MOECC) Aboriginal Consultation Advisor, Peter Brown, to determine the Indigenous communities to be included in consultation for this Individual Environmental Assessment. More specifically, in his email of February 2, 2017, Mr. Brown requested additional information in regard to possible horizontal expansion of the landfill and anticipated potential effects from the project.

In November 2015 Golder Associates Ltd. (Golder) prepared an Evaluation of Waste Management Alternatives for the Township of North Dundas (Township), which included a preliminary assessment of potential effects associated with expansion of the existing landfill site. The majority of the information provided below is taken from that document.

The existing Boyne Road landfill has an 8.1 hectare licensed disposal area within a 22 hectare property located about 2 kilometres east of Winchester on the south side of Boyne Road on Lot 8 Concession 6 in the Township. It is owned by the Township, accepts waste only from within the Township, and is its only operational landfill. The area surrounding the landfill is used for rural agricultural purposes, and is sparsely populated with no potential receptors within 500 metres of the site and only six within 1,000 metres. The general site location is shown on the attached Figure 1.

The L-shaped extent of the landfill property is shown on the attached Figure 2. Also shown on this figure are an adjacent privately-owned property to the southeast to be purchased for purposes of a site expansion, as well as properties to be used for groundwater contaminant attenuation zones (CAZ). The proposed landfill expansion is anticipated to be by means of a horizontal expansion onto the south side of the existing landfill footprint; one possible expansion configuration is shown on the attached Figure 3. There are a limited number of possible expansion configurations, any of which would be: 1) on the south side of the existing landfill for reasons related to protection of off-site groundwater resources; and, 2) within the current Township-owned property and possibly a limited distance into the property to be acquired to the southeast. It is anticipated that any expansion configuration



would be located within 300 metres of the south side of the existing landfill footprint. Also, considering that the landfill commenced operations in 1965 and when expanded for an additional 25 years (through 2047) will have been operational for about 80 years, it will be a relatively small site with a total waste disposal of less than 1 million tonnes.

In terms of potential impacts from the expansion:

- It is predicted that any potential impacts on groundwater quality from landfill leachate will be attenuated to satisfy the requirements of Ontario Regulation (O.Reg.) 232/98 and the MOECC Reasonable Use Guideline within the existing and proposed CAZ lands.
- Surface water runoff quality and quantity from the expanded landfill will be managed within the landfill property to meet provincial requirements, similar to pre-expansion conditions. It is noted that there are no surface water courses in the area of the landfill site, and stormwater from the site discharges into the municipal roadside ditch system that eventually outlets to the South Nation River many kilometres to the east. As such, there are no expected adverse effects on downstream receiving water courses.
- In view of the considerable distance between the landfill site and the closest receptor residences, as well as the relatively low height and relatively small size of the landfill, it is anticipated that the expanded site operations can be carried out in accordance with provincial air quality, odour and noise requirements.
- As related to the natural environment (i.e., fish habitat, Species at Risk, woodlands), any effects requiring mitigation or compensation to comply with provincial requirements are expected to be relatively minor and localized to the vicinity of the expanded landfill footprint.

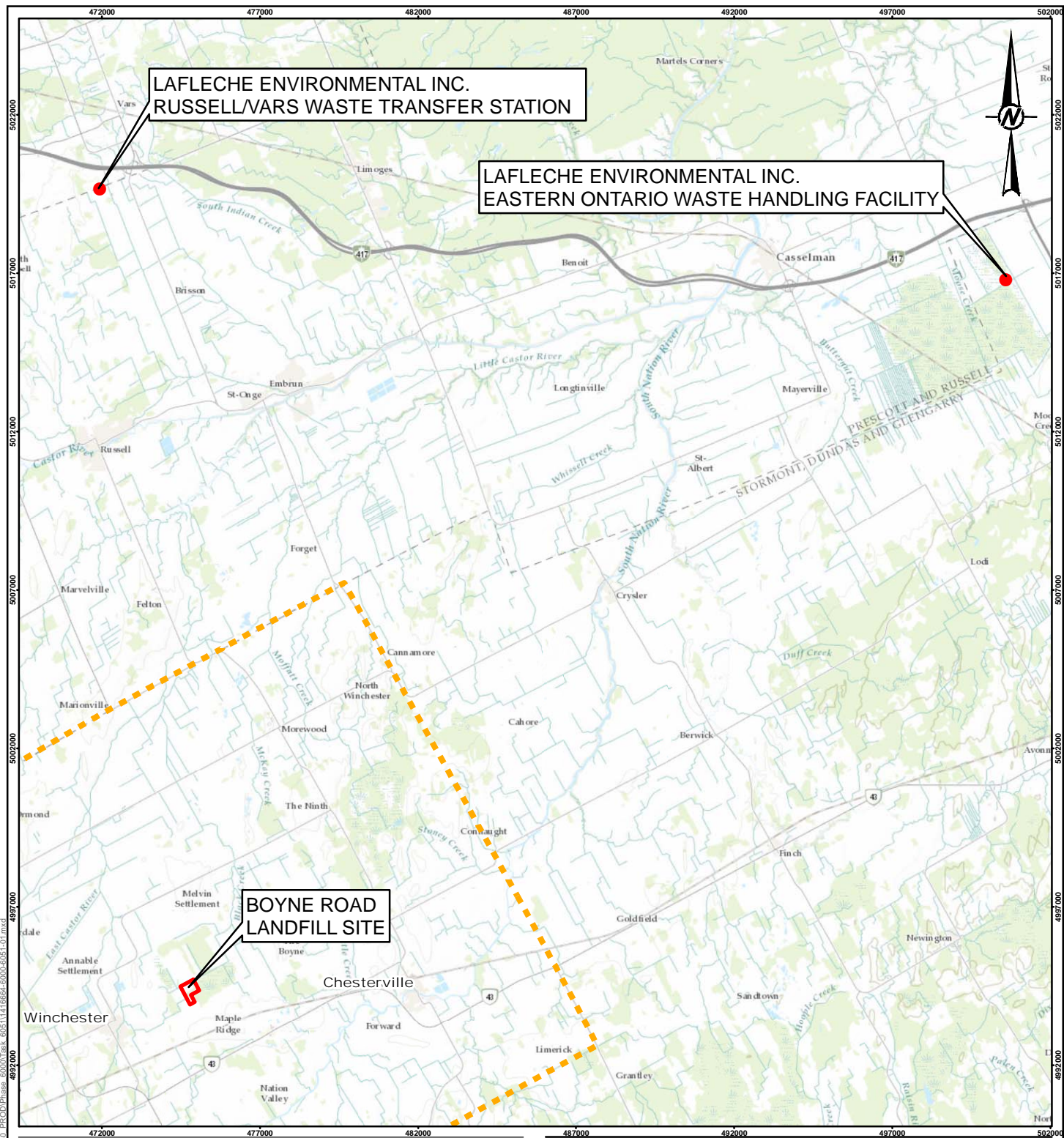
In summary, the proposed expansion is expected to include a horizontal expansion in adjacent Township-owned or to-be-acquired land in close proximity to the south side of the existing landfill. Any potential effects from the proposed expansion are also expected to be localized to the immediate area of the landfill property.

We trust this provides the required information; however, should additional information be required or if there are any questions, please do not hesitate to contact us. Considering that the Notice of Commencement is scheduled for public release in mid-February 2017 and the first Open House in early March, the Ministry's prompt attention to determining the Indigenous communities to be consulted on the Environmental Assessment would be appreciated so that appropriate notifications to those communities can be made.



PAS/YJM/sg

n:\active\2016\3 proj\1648253 township of north dundas boyne landfill exp ea\8 - consultation\8.3 - moecc dtc\1648253-doc010-tm-rev 0 - description of project and effects 2017feb02.docx

Attachments: Figures 1 to 3 (Golder Report 1416664/6000 November 2015)



LEGEND

-  BOYNE ROAD LANDFILL SITE
-  TOWNSHIP OF NORTH DUNDAS



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1416664/6000

REFERENCE(S)

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: UTM ZONE 18 NAD 83 VERTICAL DATUM: CGVD28
2. SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, DELORME, TOMTOM, INTERMAP, INCREMENT P CORP., GBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), SWISSTOPO, MAPMYINDIA, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

CLIENT

TOWNSHIP OF NORTH DUNDAS

PROJECT

WASTE MANAGEMENT ALTERNATIVES EVALUATION

TITLE

STUDY PLAN

CONSULTANT



YYYY-MM-DD 2015-07-14

DESIGNED YJM

PREPARED PJM

REVIEWED YJM

APPROVED PAS

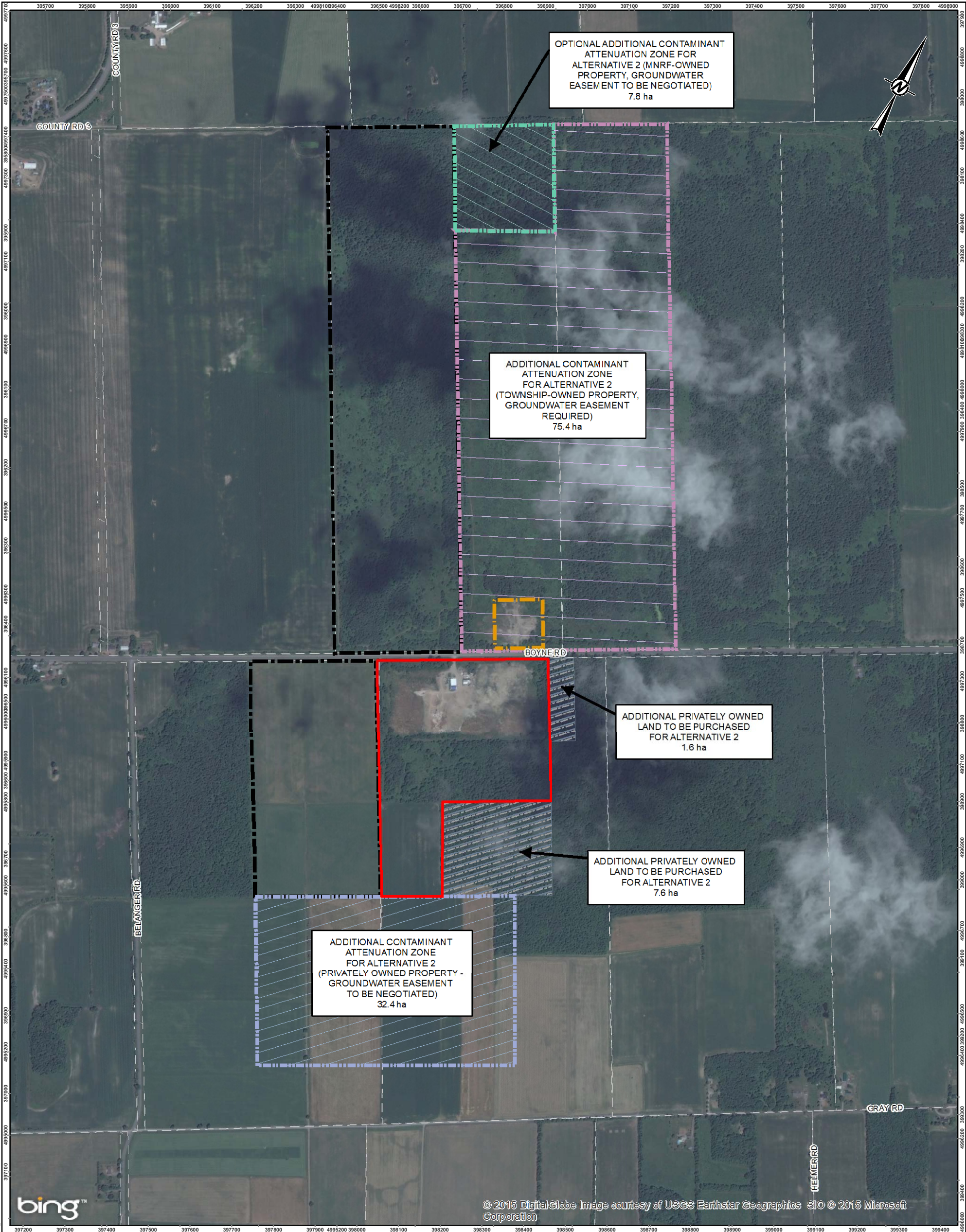
PROJECT NO.
1416664

PHASE
6000

REV.
0

FIGURE
1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm



LEGEND

APPROXIMATE LANDFILL PROPERTY BOUNDARY

APPROXIMATE LOCATION OF THE SNOW STORAGE FACILITY

EXISTING CONTAMINANT ATTENUATION ZONE EASEMENT LANDS

LOT FABRIC

REFERENCES

1. BASE PLAN SUPPLIED IN ELECTRONIC FORMAT BY STANTEC CONSULTING LTD.

2. COORDINATE SYSTEM: MTM ZONE 9 NAD83.

NOTES

1.THIS FIGURE IS TO READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1416664/6000

CLIENT

TOWNSHIP OF NORTH DUNDAS

PROJECT

WASTE MANAGEMENT ALTERNATIVES EVALUATION

CONSULTANT

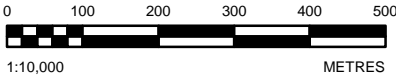
Golder Associates

YYYY-MM-DD	2015-10-21
PREPARED	PJM
DESIGN	YJM
REVIEW	YJM
APPROVED	PAS

TITLE

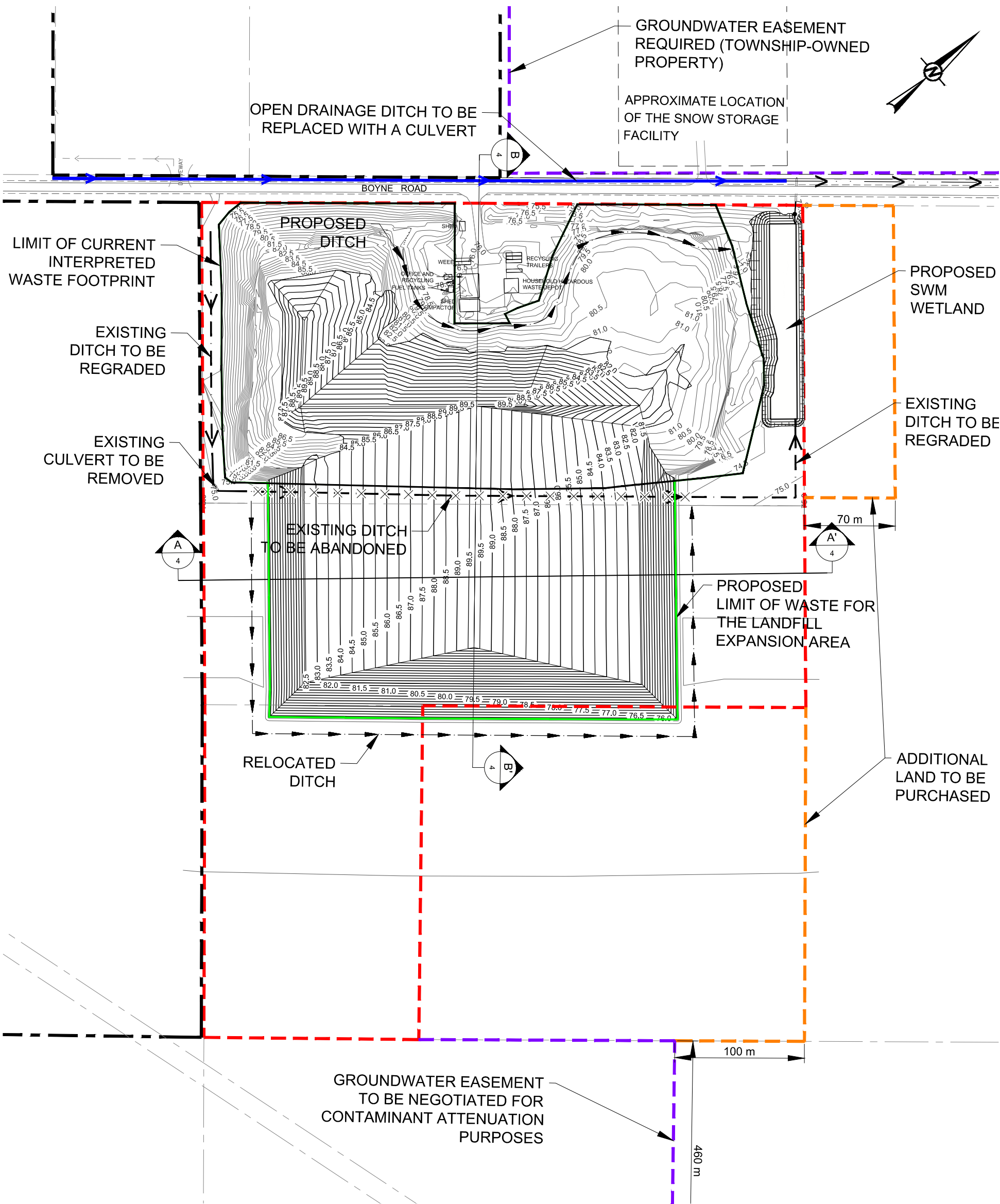
ALTERNATIVE 2: PROPOSED ADDITIONAL LANDFILL PROPERTY AND CONTAMINANT ATTENUATION ZONE EASEMENT REQUIREMENTS, BOYNE ROAD LANDFILL EXPANSION

PROJECT NO.	PHASE	REV.	FIGURE
1416664	6000	0	2



Path: N:\Native\Spatial\MTMTownship of North Dundas\BoyerRoad\an#1199_PROJ\1416664-6000-000-000-000.mxd

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm



LEGEND

85.0

GROUND SURFACE CONTOURS (m), BASED ON RESULTS OF THE SURVEYS CONDUCTED IN 2008, 2010, 2012, 2013, AND 2014

89.5

PROPOSED EXPANSION TOP OF WASTE ELEVATION CONTOURS (m)

APPROXIMATE PROPERTY BOUNDARY OF LANDFILL SITE

APPROXIMATE BOUNDARY OF EXISTING CONTAMINANT ATTENUATION ZONE EASEMENT LANDS

APPROXIMATE LOCATION OF EXISTING PERIMETER DITCH AND INFERRED FLOW DIRECTION

PROPOSED AND RELOCATED DITCH LOCATIONS

EXISTING ROADSIDE DITCH TO BE REPLACED WITH A CULVERT (APPROXIMATE LOCATION)

NOTE(S)

1. THIS FIGURE IS TO READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1416664/6000

- REFERENCE(S)
1. BASE PLAN SUPPLIED IN ELECTRONIC FORMAT BY STANTEC CONSULTING LTD.
 2. 2008 AND 2010 SURVEYS COMPLETED BY STANTEC CONSULTING LTD.
 3. MAY 2012, JULY 2013, AND NOVEMBER 2014 SURVEYS COMPLETED BY GOLDER ASSOCIATES LTD.
 4. COORDINATES SYSTEM: MTM ZONE 9 NAD83



CLIENT
TOWNSHIP OF NORTH DUNDAS

CONSULTANT



YYYY-MM-DD	2015-10-21
DESIGNED	YJM
PREPARED	MLF
REVIEWED	YJM
APPROVED	PAS

PROJECT
WASTE MANAGEMENT ALTERNATIVES EVALUATION

TITLE
ALTERNATIVE 2: PRELIMINARY BOYNE ROAD LANDFILL EXPANSION DESIGN

PROJECT NO. 1416664	CONTROL 6000	REV. 0	FIGURE 3
------------------------	-----------------	-----------	-------------

NOT FOR CONSTRUCTION

**Ministry of the Environment
and Climate Change**

Environmental Approvals
Branch

135 St. Clair Avenue West
1st Floor
Toronto ON M4V 1P5
Tel.: 416 314-8001
Fax: 416 314-8452

**Ministère de l'Environnement et de
l'Action en matière de changement
climatique**

Direction des autorisations
environnementales

135, avenue St. Clair Ouest
Rez-de-chaussée
Toronto ON M4V 1P5
Tél : 416 314-8001
Téléc. : 416 314-8452



Mr. Doug Froats
Director of Waste Management
Township of North Dundas
636 St. Lawrence Street
P.O. Box 489
Winchester ON K0C 2K0

Dear Mr. Froats:

This letter acknowledges that The Township of North Dundas has indicated that it will be following the individual environmental assessment process under the Ontario Environmental Assessment Act for the Boyne Road Landfill expansion project.

As you are aware, the Government of Ontario (the "Crown") has a constitutional duty to consult and accommodate Aboriginal communities when Crown project approvals may lead to an adverse impact on established or asserted Aboriginal or treaty rights. The Crown may use existing regulatory processes as a vehicle for fulfilling its constitutional duty, including an environmental assessment under Part II of the *Environmental Assessment Act*. These consultation obligations are in addition to the public and Aboriginal consultation requirements imposed under the *Environmental Assessment Act* and the Ministry of the Environment's Code of Practice for Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario.

The Crown has a duty to consult communities when it knows about established or credibly asserted Aboriginal or treaty rights, and contemplates decisions or actions that may adversely affect them. Although the Crown remains responsible for ensuring the adequacy of consultation with potentially affected Aboriginal communities, it may delegate procedural aspects of the consultation process to project proponents. **The Ontario Ministry of the Environment and Climate Change is delegating the procedural aspects of consultation to you through this letter.**

List of Communities to Consult

Based on the Crown's preliminary assessment of Aboriginal community rights and Project impacts, the following communities should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that could be adversely affected by the Project, or may be otherwise interested in any negative environmental effects of the project/activity:

Community Name: Algonquins of Ontario
Contact Information: Janet Stavinga, Executive Director Consultation Office 31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6

Community Name: Mohawks of Akwesasne
Contact Information: Grand Chief Abram Benedict P. O. Box 579 Cornwall, ON K6H 5T3

Community Name: Huron-Wendat Nation Council
Contact Information: (Notify only if highly likely that archaeological resources will be discovered, or once they have been found) Grand Chief Konrad Sioui 255 Place Chef-Michel-Laveau Wendake, QC G0A 4V0

The ministry relies on consultation conducted by proponents when it assesses the Crown's obligations and directs proponents during the regulatory process. The proponent's responsibilities for procedural aspects of consultation include:

- Providing First Nation and/or Métis communities with information about the proposed project/activity including anticipated impacts, and information on timelines;
- Following up with First Nation and/or Métis communities to ensure they received project/activity information and that they are aware of the opportunity to express comments and concerns about the project. If you are unable to make the appropriate contacts (e.g. are unable to contact the Chief) please contact the appropriate ministry project officer for further direction;

- Gathering information about how the project may adversely impact the relevant Aboriginal and/or Treaty rights (for example, hunting, fishing) or sites of cultural significance (for example, burial grounds, archaeological sites);
- Considering the comments and concerns provided by First Nation and/or Métis communities and providing responses;
- Where appropriate, discussing potential mitigation strategies with First Nation and/or Métis communities;
- Bearing the reasonable costs associated with these procedural aspects of consultation;
- Maintaining a Consultation Record and providing copies to the ministry.

NOTE: Information upon which the above list of Indigenous communities is based is subject to change. Indigenous communities can make assertions at any time, and other developments, for example the discovery of archaeological resources, can occur that may require additional Indigenous communities to be notified. Should this happen, the Ministry will contact you. Similarly, if you receive any feedback from any Indigenous communities not included in this list, as part of your consultation, the Ministry would appreciate being notified.

Should you or any members of your project team have any questions regarding the material above, please contact me at 416-314-8360 or at adam.sanzo@ontario.ca.

Sincerely,



Adam Sanzo
Project Officer
Environmental Approvals Branch

c: Solange Desautels, Supervisor, Project Coordination Unit
Trish Edmond, Geoenvironmental Engineer / Associate, Golder Associates Ltd



May 1, 2017

**Continued Consultation Regarding
Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill Site
Township of North Dundas, Ontario**

Dear Sir or Madam,

As described in previous correspondence, the Township of North Dundas (Township) has initiated an Environmental Assessment (EA) of the proposed expansion of the Boyne Road Landfill Site (Landfill). You were provided a copy of the Notice of Commencement for the development of the Terms of Reference for this EA and invited to an open house on or around February 21, 2017.

The participation of Indigenous communities is an important element of the EA process. Since sending you the Notice of Commencement and invitation to an open house, we have received notification from the Ministry of the Environment and Climate Change that they have not identified any constitutionally protected Aboriginal or treaty rights associated with this project and your First Nation. As such, consultation regarding this EA is not formally required.

Although consultation is no longer formally required, if your community is interested in engaging in further discussions and providing input for this project throughout the EA process, you can remain a stakeholder of the project by acknowledging your interest and responding to the Township at the address or fax provided on this letter or by phone at 613-774-2105 X228 or email at dfroats@northdundas.com by June 1, 2017. We will assume that no response by the date noted means that you have no interest in continuing to be notified and included in the project consultation.

Should you or your Council wish to continue to be involved in the EA process and wish to discuss the project, we would be pleased to work with you to develop and carry out separate events, specifically designed to engage your community in meaningful discussions concerning the project.

Sincerely,

A handwritten signature in blue ink, appearing to read "Doug Froats".

Doug Froats
Director, Waste Management

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, Ministry of the Environment and Climate Change

**PROPOSED TERMS OF REFERENCE - ENVIRONMENTAL ASSESSMENT OF THE
TOWNSHIP OF NORTH DUNDAS WASTE MANAGEMENT PLAN**

Appendix C2 NOC and OH#1



February 21, 2017

Address

**Notification to Indigenous Communities
Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill Site
Township of North Dundas, Ontario**

Dear Sir or Madam,

The Township of North Dundas (Township) will be initiating an Environmental Assessment (EA) of the proposed expansion of the Boyne Road Landfill Site (Landfill). As part of the EA process, the Township will be consulting with members of the public, stakeholder groups and Indigenous communities.

A copy of the Notice of Commencement for the development of the Terms of Reference for this EA is attached and provides information on the project process. You are invited to attend the first open house, which will take place on Tuesday March 7, 2017 between 5:00 pm and 8:00 pm at the Council Chambers located in the Township Office at 636 St. Lawrence Street in Winchester, Ontario. The objective of this open house is to introduce the project, discuss the Terms of Reference, the EA and the consultation process and solicit input on proposed comparative evaluation criteria.

The participation of Indigenous communities is an important element of the EA process. Should you or your Council wish to become involved in the EA process or discuss the project, we would be pleased to work with you to develop and carry out separate events, specifically designed to engage your community in meaningful discussions concerning the project.

Please let us know if your community is interested in engaging in further discussions and providing input for this project throughout the EA process. If you have any questions, please do not hesitate to contact us at the address or fax provided on this letter or by phone at 613-774-2105 X228 or email at dfroats@northdundas.com. For further information, please visit our website at www.northdundas.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Doug Froats".

Doug Froats
Director, Waste Management

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, Ministry of the Environment and Climate Change

Attachments: Notice of Commencement

Edmond, Trish

From: Edmond, Trish
Sent: March 1, 2017 10:30 AM
To: Maxime Picard
Cc: dfroats@northdundas.com; Marcerou, Yannick
Subject: RE: Boyne Road Landfill Site

Hi Maxime,

No problem. I will record the Huron-Wendat Nation as having this interest and we will be in touch as the EA progresses.

Trish



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Trish Edmond (M.E.Sc., P.Eng.) | Geoenvironmental Engineer / Associate | **Golder Associates Ltd.**

1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7

T: +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 799-1960 | **E:** Trish_Edmond@golder.com |

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From: Maxime Picard [mailto:maxime.picard@cnhw.qc.ca]
Sent: March 1, 2017 9:55 AM
To: Edmond, Trish <Trish_Edmond@golder.com>
Cc: dfroats@northdundas.com; Marcerou, Yannick <Yannick_Marcerou@golder.com>
Subject: RE: Boyne Road Landfill Site

Hello Trish,

Thanks for providing us this information.

As the Huron-Wendat Nation has some archaeological sites in the region we would like to be informed of any upcoming archaeological assessment as well as any monitoring opportunity.

Best regards,

Maxime Picard



NATION HURONNE-WENDAT
Bureau du Nionwentsïo

Maxime Picard, B. Sc. A.

Coordonnateur de projets - Ontario

255, Place Chef Michel-Laveau

Wendake (Qc) G0A 4V0

Téléphone : 418-843-3767 # 2105

Courriel : maxime.picard@cnhw.qc.ca



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De : Edmond, Trish [mailto:Trish_Edmond@golder.com]

Envoyé : 1 mars 2017 09:48

À : maxime.picard@cnhw.qc.ca

Cc : dfroats@northdundas.com; Marcerou, Yannick

Objet : RE: Boyne Road Landfill Site

Hi Mr. Picard,

Doug forwarded your email regarding the Boyne Road Landfill Site Environmental Assessment to me. I have attached to this e-mail a shape file of the existing landfill as well as a shape for the area being contemplated for landfill expansion. At present there are no archeological studies available for the site however an assessment of archaeological resources is proposed as part of the Environmental Assessment.

Please let us know if you have any further questions or if we can be of further assistance.

Kind regards,

Trish

Trish Edmond (M.E.Sc., P.Eng.) | Associate, Geoenvironmental Engineer | **Golder Associates Ltd.**

32 Steacie Drive, Kanata, Ontario, Canada K2K 2A9

T: +1 (613) 592 9600 x 3246 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 799 1960 | **E:** Trish_Edmond@golder.com |

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Please consider the environment before printing this email.

From: Doug Froats [<mailto:dfroats@northdundas.com>]

Sent: February-22-17 3:39 PM

To: Marcerou, Yannick <Yannick_Marcerou@golder.com>

Subject: FW: Boyne Road Landfill Site

Information requested



Doug Froats

Director of Waste Management
Township of North Dundas
636 St. Lawrence Street, P.O. Box 489, Winchester, ON K0C 2K0
P: (613) 774-2105 x 228
C: (613) 229-4233
F: (613) 774-5699
E: dfroats@northdundas.com
W: www.northdundas.com



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From: Maxime Picard [<mailto:maxime.picard@cnhw.qc.ca>]

Sent: Wednesday, February 22, 2017 3:27 PM

To: dfroats@northdundas.com

Subject: Boyne Road Landfill Site

Good afternoon Mr. Froats,

We received the attached piece on the Boyne Road Landfill project.
The Huron-Wendat Nation would like to have some more information on the project, especially on archaeology.
Are there any archaeological assessment that have been done yet regarding this project ?

Would it be possible for you to provide us the shapefiles of the study area ?

Best regards,

Maxime Picard



NATION HURONNE-WENDAT
Bureau du Nionwentsïo

Maxime Picard, B. Sc. A.

Coordonnateur de projets - Ontario

255, Place Chef Michel-Laveau

Wendake (Qc) G0A 4V0

Téléphone : 418-843-3767 # 2105

Courriel : maxime.picard@cnhw.qc.ca



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**PROPOSED TERMS OF REFERENCE - ENVIRONMENTAL ASSESSMENT OF THE
TOWNSHIP OF NORTH DUNDAS WASTE MANAGEMENT PLAN**

Appendix C3 OH#2

Edmond, Trish

Subject: FW: Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Attachments: 1648253_DOC024_Boyne Landfill EA OH2 Notice_for_Distribution.pdf

Importance: High

From: Hanschell, Jessica

Sent: October 12, 2017 5:37 PM

To: [REDACTED]

Cc: Edmond, Trish <Trish_Edmond@golder.com>

Subject: Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Importance: High

Sent on behalf of Doug Froats



October 12, 2017

**Notification of Upcoming Open House
Environmental Assessment of the Proposed Expansion of
the Boyne Road Landfill Site
Township of North Dundas, Ontario**

Dear Sir/Madam,

You are invited to attend an open house, hosted by the Township of North Dundas, to discuss the development of the Terms of Reference for the Environmental Assessment (EA) of the proposed expansion of the Boyne Road Landfill. The open house will be held on **Thursday October 27th from 5 – 8 p.m. at Council Chambers in the Township Office, 636 St. Lawrence Street, Winchester.**

The attached notice describes the project background, what will be discussed at the Open House and how to maintain involvement in the project.

Please let us know if your department is interested in engaging in further discussions and providing input for this project throughout the EA process. If you have any questions, please do not hesitate to contact us at the address or fax provided on this letter or by phone at 613-774-2105 X228 or email at dfroats@northdundas.com. For further information, please visit our website at www.northdundas.com.

Sincerely,



Doug Froats
Director, Waste Management

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, Ministry of the Environment and Climate Change

Attachments: Notice of Open House #2

Jessica Hanschell | Environmental Consultant | **Golder Associates Ltd.** | **◀ GOLDER: 50 YEARS IN OTTAWA!**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7 **◀ We Have Moved!**
T: +1 (613) 592 9600 | x3337 | **F:** +1 (613) 592 9601 | **E:** Jessica.Hanschell@golder.com | www.golder.com

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Edmond, Trish

From: Maxime Picard <maxime.picard@cnhw.qc.ca>
Sent: October 13, 2017 3:41 PM
To: Edmond, Trish
Subject: RE: Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Hi Trish,

Thanks for the clarification.

Please keep us updated.

Best,

Maxime



NATION HURONNE-WENDAT
Bureau du Nionwentsio

Maxime Picard, B. Sc. A.
Coordonnateur de projets - Ontario
255, Place Chef Michel-Laveau
Wendake (Qc) G0A 4V0
Téléphone : 418-843-3767 # 2105
Courriel : maxime.picard@cnhw.qc.ca



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De : Edmond, Trish [mailto:Trish_Edmond@golder.com]

Envoyé : 13 octobre 2017 15:40

À : Maxime Picard

Cc : Hanschell, Jessica

Objet : FW: Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Hi Maxime,

Your comment on the EA for the proposed expansion of the Boyne Road Landfill was forwarded to me. As per our correspondence this spring (attached) we have not completed any archaeological assessment of the site yet. This next open house on October 27, 2017 will discuss work plans that include a plan to conduct a Stage 1 archaeological assessment and identifying if any areas require Stage2 archaeological assessment. The Stage 1 archaeological

assessment is not expected to be completed until late 2018 or early 2019 after the Terms of Reference for the EA is approved. We will keep you updated on the results of that study as well as any on-going consultation related to this EA.

Have a great weekend,
Trish



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Trish Edmond (M.E.Sc., P.Eng.) | Geoenvironmental Engineer / Associate | **Golder Associates Ltd.** | ◀ **GOLDER: 50 YEARS IN OTTAWA!**

1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7

T: +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 799-1960 | **E:** Trish_Edmond@golder.com | www.golder.com

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From: Maxime Picard [<mailto:maxime.picard@cnhw.qc.ca>]

Sent: Friday, October 13, 2017 8:33 AM

To: Hanschell, Jessica <Jessica_Hanschell@golder.com>

Subject: RE: Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Good morning Jessica,

Are there any archaeological assessment that have been conducted yet for this project ?

Best regards,

Maxime Picard



NATION HURONNE-WENDAT
Bureau du Nionwentsïo

Maxime Picard, B. Sc. A.

Coordonnateur de projets - Ontario

255, Place Chef Michel-Laveau

Wendake (Qc) G0A 4V0

Téléphone : 418-843-3767 # 2105

Courriel : maxime.picard@cnhw.qc.ca



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De : Hanschell, Jessica [mailto:Jessica_Hanschell@golder.com]

Envoyé : 12 octobre 2017 17:37

À : maxime.picard@cnhw.qc.ca

Cc : Edmond, Trish

Objet : Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Importance : Haute

Sent on behalf of Doug Froats



October 12, 2017

Notification of Upcoming Open House
Environmental Assessment of the Proposed Expansion of
the Boyne Road Landfill Site
Township of North Dundas, Ontario

Dear Sir/Madam,

You are invited to attend an open house, hosted by the Township of North Dundas, to discuss the development of the Terms of Reference for the Environmental Assessment (EA) of the proposed expansion of the Boyne Road Landfill. The open house will be held on **Thursday October 27th from 5 – 8 p.m. at Council Chambers in the Township Office, 636 St. Lawrence Street, Winchester.**

The attached notice describes the project background, what will be discussed at the Open House and how to maintain involvement in the project.

Please let us know if your department is interested in engaging in further discussions and providing input for this project throughout the EA process. If you have any questions, please do not hesitate to contact us at the address or fax provided on this letter or by phone at 613-774-2105 X228 or email at dfroats@northdundas.com. For further information, please visit our website at www.northdundas.com.



Sincerely,

Doug Froats
Director, Waste Management

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, Ministry of the Environment and Climate Change

Attachments: Notice of Open House #2

Jessica Hanschell | Environmental Consultant | **Golder Associates Ltd.** | **◀ GOLDER: 50 YEARS IN OTTAWA!**
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T: +1 (613) 592 9600 | x3337 | **F:** +1 (613) 592 9601 | **E:** Jessica_Hanschell@golder.com | www.golder.com

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**PROPOSED TERMS OF REFERENCE - ENVIRONMENTAL ASSESSMENT OF THE
TOWNSHIP OF NORTH DUNDAS WASTE MANAGEMENT PLAN**

Appendix C4 Draft TOR



April 24, 2018

[REDACTED]
Algonquins of Ontario, Consultation Office
[REDACTED]
[REDACTED]

Notice Requesting Review of Draft Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill, Township of North Dundas

Dear Ms. [REDACTED],

An Individual Environmental Assessment (EA) for expansion of the Boyne Road Landfill site is being undertaken by the Township of North Dundas (the Township) and requires approval under the provincial Environmental Assessment Act. The first phase in the EA process is preparation of a Terms of Reference (ToR).

The Township is seeking input on the draft ToR Report of the proposed expansion of the Boyne Road Landfill. Your community or group has been identified as having a potential interest in this EA. Attached to this letter you will find the three volumes that make up the draft ToR.

We invite you to review and provide comments on the attached draft documents. The period during which comments on the ToR may be submitted is April 27th, 2018 to May 25th, 2018. We are requesting that comments on the attached be returned by Friday May 25th, 2018.

Following the above review period, the draft ToR Report will be updated to address comments received and will be submitted to the Ontario Ministry of the Environment and Climate Change (MOECC) as part of the formal review process.

Comments may be submitted by mail, e-mail or fax to the individuals listed below who can also respond if you have any questions or comments regarding the draft ToR Report.

Doug Froats
Director of Waste Management
Township of North Dundas
636 St. Lawrence Street, P.O. Box 489
Winchester, ON K0C 2K0
Telephone: 613-774-2105 ext. 228
Fax: 613-774-5699
E-mail: dfroats@northdundas.com

Trish Edmond, P.Eng.
EA Project Manager
Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7
Telephone: 613-592-9600 ext. 3246
Fax: 613-592-9601
E-mail: trish_edmond@golder.com

Thank you for your participation in this important process. If your community or group wishes to consult in a different manner please contact the undersigned to organize consultation that will be meaningful for you.

Sincerely,

Doug Froats
Director of Waste Management
Township of North Dundas

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, MOECC

Attachments: Volumes 1, 2 and 3 of the ToR

APPENDIX D

Terms of Reference Launch Material and Open House #1

Appendix D1 Notice of Commencement

Appendix D2 Notice of Commencement and Open House #1 Template Letters

Appendix D3 Comments from the GRT

Appendix D4 Open House #1 Materials

Appendix D5 Comments from the Public

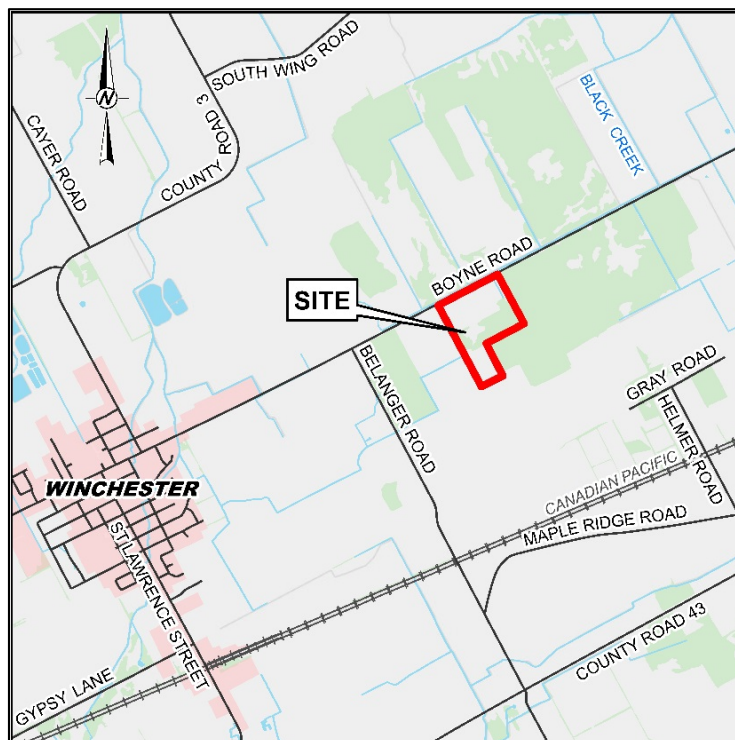
Appendix D1 Notice of Commencement

**Notice of Commencement of Terms of Reference
Environmental Assessment of the Proposed Expansion of the
Boyne Road Landfill, Township of North Dundas**

The Township of North Dundas (the Township) has initiated a study under the *Environmental Assessment Act* to expand the Boyne Road Landfill Site (the site).

The site is the only municipal waste disposal site available for residents and businesses located in the Township. In late 2014, as part of regulatory approval processes, the Township was made aware that it had exceeded its approved landfill disposal capacity. To continue using the site in the short-term, an emergency Environmental Compliance Approval (ECA) was received and required the Township to evaluate waste management alternatives. The evaluation considered: site closure and waste export, site expansion, a new landfill and alternative waste technologies. The result of the comparative evaluation was that expansion of the existing site was the preferred alternative. Based on the findings of this evaluation, the Council directed Township staff to pursue approval to expand the site. The site expansion requires approval under the Ontario *Environmental Assessment Act* and is the reason for this Notice of Commencement. The purpose of the environmental assessment is to identify alternatives and study the potential effects of the proposed landfill expansion on the environment.

The Township is located in Eastern Ontario, in the United Counties of Stormont, Dundas and Glengarry, approximately 40 kilometres (km) south of Ottawa. The site is located along Boyne Road, approximately 1.5 km east of the Village of Winchester on Lot 8, Concession VI in the former Township of Winchester. The location of the site is indicated on the map below.



The Process

The first step in Environmental Assessment process is the development of a Terms of Reference, which includes opportunities for public review and input. The Terms of Reference provide the framework for: defining the scope of the studies to characterize the existing environment; public consultation methods; identification and assessment of alternative methods of implementing the project; the methods for the prediction and assessment of potential effects of the proposed undertaking on the environment; mitigation measures to avoid or reduce adverse effects; as well as follow-up monitoring and contingency plans. The Terms of Reference will be submitted to the Ministry of the Environment and Climate Change (MOECC) for approval. Once approved by the Minister, the framework from the Terms of Reference will guide the work and studies that will then be completed during the Environmental Assessment.

Want to Get Involved?

Members of the public, agencies and other interested persons are invited to actively participate in the planning process by attending open houses. An initial public open house to introduce the project, discuss the Terms of Reference, the Environmental Assessment and the consultation processes is scheduled for March 7, 2017 between 5:00 pm and 8:00 pm at the Council Chambers located in the Township Office at 636 St. Lawrence Street in Winchester. Information regarding this open house will be posted on the project website at <http://northdundas.com/town-hall/landfill-recycling/landfillea/>.

Members of the public or interested parties are also invited to attend and participate in helping the Township of North Dundas identify issues, interests or ideas to be addressed during the Environmental Assessment. Further consultation events, including a second public open house are scheduled for the summer/fall of 2017. Consultation opportunities will be advertised in local newspapers and through the Township's website at <http://northdundas.com/town-hall/landfill-recycling/landfillea/>.

Comments may also be submitted by the public or interested parties through the Township's website www.northdundas.com and by mail, email or fax, to the contacts for the project provided below.

Doug Froats
Director of Waste Management
Township of North Dundas
636 St. Lawrence Street
P.O. Box 489
Winchester, ON K0C 2K0
Telephone: 613-774-2105 ext. 228
Fax: 613-774-5699
E-mail: dfroats@northdundas.com

Trish Edmond, P.Eng.
EA Project Manager
Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7
Telephone: 613-592-9600
Fax: 613-592-9601
E-mail: trish_edmond@golder.com

Veillez noter qu'il vous est possible de nous communiquer vos commentaires ou vos questions sur le projet en français en les adressant à Trish Edmond aux coordonnées indiquées ci-dessus.

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 MOECC's Freedom of Information and Privacy Coordinator at 416-327-1434.

Ministry of Education must step up for rural schools

CORNWALL — Following an outpouring of community support for rural education, the Upper Canada District School Board amended its proposals for pupil accommodation to preserve a number of the schools previously slated for closure. The revised plan still recommends the closure of the secondary component of Rothwell-Osnabruck. The loss of South Stormont's only secondary school is a huge impact on the township, with a consultant report projecting an annual economic loss of over \$7-million.

"Rothwell-Osnabruck provides excellent education, development and growth opportunities to the Township of South Stormont, as well as great youth quality of life, youth engagement opportunities and community pride," MPP Jim McDonnell commented. "Without the ability to raise children from elementary through to the

completion of secondary school, parents will find it more difficult to choose to settle in South Stormont or remain in the township when their children attain high school age. While I am pleased to see the Board listened to community advice and feedback on many of its proposed closures, there is still a lot of work to be done to preserve education opportunities for South Stormont students. The latest census data reveals that the township is experiencing the highest growth in the counties of Stormont, Dundas and Glengarry, including the city of Cornwall."

The final Board decision is due March 23.

"I encourage the Board to listen to residents of South Stormont and preserve the schools that the local communities rely on to survive," McDonnell stated.

Debate in the Legislature on the school closure issue highlighted

the responsibility of the Ministry of Education to ensure appropriate rural education funding.

"The Minister of Education is trying to dodge the issue by pointing her finger at the local school boards, but it is this government's legislation and budget cuts that they

are legally required to deal with," he added. "Discussions during a community meeting on Feb. 15 laid bare the frustration of all stakeholders whose Ministry can't be relied on for consistent messaging and policy making. The Minister of Education must still take

the necessary actions to ensure this situation does not arise again. Six hundred schools across the province were on the chopping block, and most regions still face seeing most of the proposed cuts happen in the next academic year. It is time the Ministry of Education

stepped up and acted my motion to impose a moratorium on closures and sit down with communities, rural boards and municipalities to chart new funding forms focused on delivering excellent public education to rural and northern students close to home."

SNC – Controlled tile drainage workshop

FINCH—The Ottawa Rural Clean Water Program, in partnership with South Nation Conservation, Rideau Valley Conservation Authority, and Mississippi Valley Conservation Authority invites local farmers, drainage contractors, and drainage superintendents to come and learn more about the benefits of Controlled Tile Drainage (CTD) on Feb. 28.

The information session will be held at the Kars Recreation Association Centre located at 1604 Old Wellington St., Kars, from 12:30 p.m. until 4:00 p.m. Refreshments will be provided to participants.

CTD is a drainage management practice that allows growers to better control the timing and amount of water drained from a field.

"Using CTD provides growers with the ability to raise and lower the water table which helps the grower respond to crop needs, and also reduces the amount of nutrients that escape from fields to local watercourses," says Katherine Watson, SNC Water Resources Specialist.

The workshop will feature presentations from researchers, including Dr.

David Lapen from Agriculture and Agri-Food Canada. Participants will learn about the agronomic and environmental benefits of CTD, as well as the results of a multi-year CTD study conducted in the South Nation watershed.

"Participants will get to hear from a local drainage contractor, Marc-Antoine Sauvé from Lapointe Drainage, and from Marc Bercier, a local farmer and owner of Marc Bercier Seed Cleaning, regarding the use of CTD," mentioned Watson.

Information sessions such as these provide an opportunity for participants to share expertise and experiences using CTD and to hear from local researchers, contractors and farmers.

The Ottawa Rural Clean Water Program, as well as SNC's Clean Water Program and RVCA's Rural Clean Water Program, offer substantial grants for installing CTD structures. CTD can be retrofitted to most tile drain systems and is best suited for use in relatively flat fields with slopes of one percent or less.

To RSVP for the CTD session, contact Katherine Watson at 1-877-984-2948, ext. 291.



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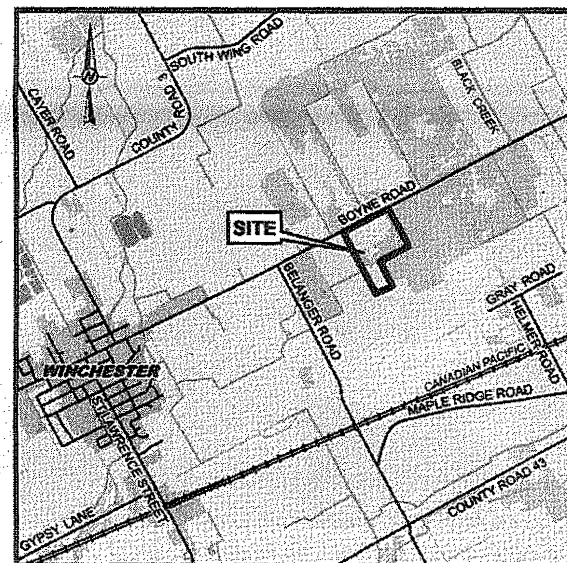
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EA Project Manager
Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7

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Fax: 613-592-9601
E-mail: trish_edmond@golder.com

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Auction Sales

MAGNIFICENT ANTIQUE AND COLLECTIBLE SALE
To be held at our facility 15093 County Rd 18, East of Osnaburck Centre. From Highway 401 take Inglewood Exit #770, Dickinson Dr., travel north approximately 1-1/2 kms to Osnaburck Centre, turn east onto County Rd. 18, travel 1/2 km. Watch for signs!

SATURDAY MARCH 4 commencing at 9:30 am
Featuring antique furnishings, rare early glass and pottery including Port-Neuf, over 100 toy collector tractors, cast iron implement seats and grain drill ends, WWI German helmet, 2 German swords, 2 early rifles, jewellery, and much more!
THIS IS A WELL-ROUNDED QUALITY AUCTION YOU ABSOLUTELY DON'T WANT TO MISS!

Note: We are now back indoors for the winter and early spring months. Call for upcoming dates or to consign (quality items only - no junk). Believe it or not, we are already booking spring on-site farm, real estate, and general estate auctions. Be sure to call and book early to be assured your desired date.

The most successful spring auction is planned, promoted and prepared for during the winter. Now accepting consignments of farm and industrial machinery, recreational items, and tools for our spring May 6 consignment auction.

Owner and Auctioneer are not responsible for loss or accident.

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AUCTION SALE OF BEAUTIFUL ANTIQUES, EXQUISITE GLASSWARE, COLLECTIBLES, LAWN TRACTOR, HOUSEHOLD FURNITURE, TOOLS, FARM RELATED ITEMS AND MISCELLANEOUS ARTICLES
In the Vernon Recreational Centre, Vernon. Turn east on Lawrence St. 1/2 mile just off Bank Street (formerly Highway 31), approximately 20 miles south of Ottawa. Watch for Auction signs.

SATURDAY, MARCH 4 commencing at 10 am
(viewing starts at 8:30 am)
Come and join us at the Vernon Recreation Centre where we will be featuring beautiful antiques and collectibles as well as glassware, furniture and other assorted articles from area estates.
Antiques: Oak combination china

Coming Events

cabinet/buffet; oak chest of drawers; walnut hall stand; drop front postal desk; Victorian dresser; bookcase; oak Highboy; cedar chest; lamp table with drawer; parlour; 1/2 moon, magazine and occasional tables; smokers stand; coat tree; press back platform rocker; other rockers; Gibbard tea wagon; fern stand; walnut 4-tier corner shelf; mahogany commode with marble top; partner's desk, 54" wide; drop leaf kitchen table, newly painted top; piano bench; assorted household furniture.

Collectibles: East Lake mantle clock; 2 wooden chairs with Massey Harris embossed seats; Eaton's wooden wagon; Beatty tub bench; wash tub; large assortment of oil lamps, some painted, small with coloured glass, some with brackets; crocked; 14"x10" metal bell; Sportsman cigarette fishing picture; 3 Hess toy trucks in boxes; 6-piece wash set; old violin; many cast iron pieces such as pots, shelves, grates, kettle, etc; guitar; old wooden planes; advertising boxes; Shell signs; livestock signs; comics; brass bells; old Brownie camera; milk bottles; antique iron doll crib; wicker doll carriage; leaded windows; Renfrew cream separator; marbles; antique books; approximately 11 boxes of Dickens Village heritage collection; sheet music; sock stretchers; marble eggs on stands; railroad switch lantern; other lanterns; hockey; baseball and football cards; hat box; 3-storey doll house; portable Singer sewing machine; buggy wheel; milk and cream cans; collector plates; wooden pulleys; washboard; cheese boxes; buck saws; cross country skis; nail keg; original corn planter; boot scrapers; sad irons; buggy wrenches; sickles; McClary and Taylor Forbes cast irons; wooden canes; wool winder.

Glassware: Nice assortment of crystal, cut and depression glass; 8-piece setting of Mikasa dishes; many other assorted dishes.

Lawn Tractor and Tools: Husqvarna model RZ 4621 lawn tractor, zero turn, 21 hp; Onan Homelite Power 6500 generator; shop vac; Ridgid 10" table saw; Rockwell Beaver 11" drill press on stand; 7-1/4" circular saw; PowerPack 300 emergency power; assorted hand tools.

Farm Related Items: 2 Honeywell commercial fans; 8-gallon milk cans; stainless steel strainer with filters; 3 Choreboy milkers; 4 Surge milkers; 4 DeLaval milkers; 2 stainless steel milk pails; Economy, Ausculap and Stewart clippers; Stewart Oster 310 sheep shears, many other assorted items.

Auctioneers not responsible for loss or accidents.

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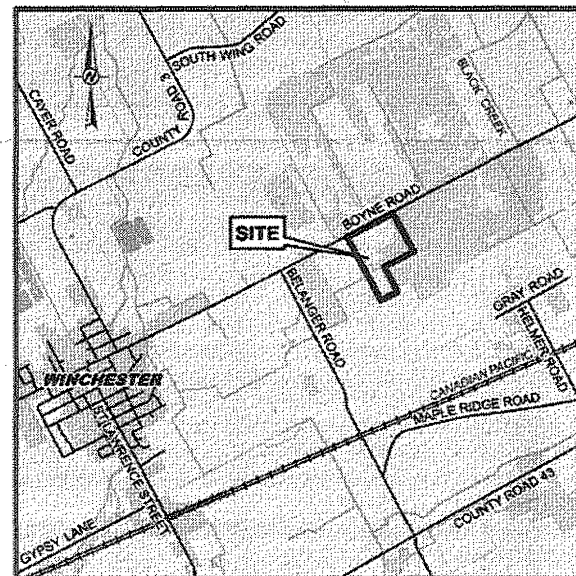
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OBITUARIES

Patricia Hutt

Patricia Hutt (nee Paul) of Winchester passed away at Winchester District Memorial Hospital on Wed., Feb. 22, 2017. She was 84.

She was the loving wife of Reg Hutt for more than 67 years, and the loving mother of Ron of Alexandria. Patricia was the dear sister of Isabel Hunter of Ingleside, Rita Meunier (Jack) of Ottawa, and Gail Van Gessel of Chesterville. Patricia will be fondly remembered by grandchildren Jason, Stephane, Caroline, Chris, and Krissy; and 10 great-grandchildren. She was predeceased by her son, Richard; her sisters, Yvonne Veley, Clara Barkley, Rose St. Pierre, Irene Brodeur, and Eileen Barkley; and her brothers, Willis and Emmett Paul. She is also survived by nieces and nephews.

There was no visitation or funeral service. Spring interment of cremated remains will be at Maple Ridge Cemetery in Chesterville.

Donations to Winchester District Memorial Hospital would be gratefully acknowledged by the family.

Online condolences may be made at www.marsdenmclaughlin.com



Elaine Morgan

Elaine Morgan (nee Coons) of Winchester passed away peacefully at the Township of Osgoode Care Centre on Tues., Feb. 21, 2017, in her 86th year.

She was the beloved wife of the late Clarence (Frank) Morgan, and the loving Mom of Paul (Vicky Byers), and Jill (John) Lane. She was the cherished Nana of Ashley, Megan, Samantha, and Rebecca. Elaine was predeceased by all of her siblings — Lois, Lawrence, and Ron Coons. She was the dearly loved sister-in-law of Joyce and Janet Coons. She will be fondly remembered by many nieces and nephews.

A memorial visitation will be held at Byers Funeral Home, 2990 Church St. in South Mountain (613-989-3836) on Sat., March 4 from 11 am until the time of the memorial service in the chapel at 1 pm. Spring interment will be held at Maple Ridge Cemetery in Chesterville.

By family request, donations may be made in memory of Elaine to the Township of Osgoode Care Centre.

Online condolences may be made at www.byersfuneralhomeinc.com



William Arthur Mussell

William Arthur Mussell passed away peacefully at Almonte General Hospital on Thurs., Feb. 16, 2017. He was 62.

He was the loved partner of Sheila Furlong, and the beloved dad of Wilson and Daniel. William was the dear brother of Mary (Ed Weick), Bob (Cheryl), Ann (Bill Levere), and the late Jim, and fond uncle of many nieces and nephews. He was the son of the late Harry and Ethel Mussell of Winchester, and the former husband of Vicki Haydon.

Visitation was held on Thurs., Feb. 23 from 10 am until the time of the funeral service at 11 am in the chapel of the C.R. Gamble Funeral Home, 127 Church St. in Almonte, followed by a reception at Almonte United Church Hall, 106 Elgin St.

At Bill's request, his body has been donated for research at the University of Ottawa. Donations in his memory may be made to DEBRA Canada <http://debracanada.org/>.

Condolences and tributes may be made online at www.crgamble.com



Thank You

The family of **Graham Merkley** would like to express our heartfelt appreciation for our relatives, friends, and neighbors for their kindness and support during a difficult time. Thank you to all who attended Graham's funeral and wake, sent cards, sent texts, made donations, made personal phone calls, and brought food for the family. Your thoughtfulness made our hearts lighter. A special thanks to both the staff at the Garden Villa and the staff on the second floor of the Winchester District Memorial Hospital for their care and compassion during Graham's stay. We also wish to thank Pastor Debbie Poirier for her words of comfort during the funeral service at Christ Church United and Rev. Paterson for joining in prayer and a light-hearted trip down memory lane with the family at the hospital. Thank you to Marsden & MacLaughlin funeral home and staff for their compassion and professionalism. The kindness and support from everyone was appreciated and will not be forgotten.

The Merkley Family

Dr. Patrick Lau
Optometrist

Winchester Optometry

504 Main Street West
Winchester, ON, K0C 2K0

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F: 613-774-1472



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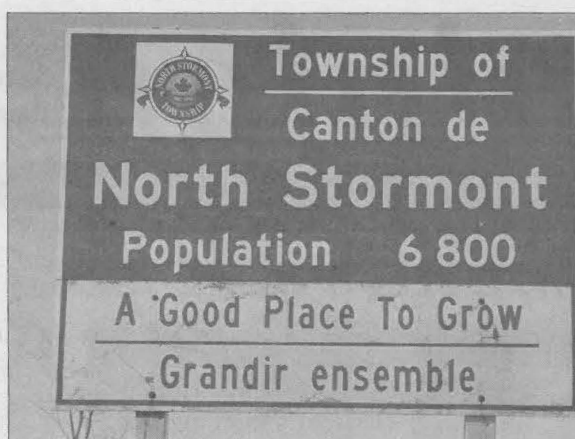
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North Stormont

Continued from the front
Planner Amy Martin is quoted in a recent press release from the municipality as saying, "North Stormont is growing and Township Council and Administration continue to work towards making North Stormont 'A Good Place to Grow'." Martin continued that there has been a significant increase in both single family dwelling building permits as well as construction value and four subdivision plans approved since 2011.

North Stormont Mayor Dennis Fife attributes municipal growth to "Our low cost of development and low tax rate." Fife continued that he was looking "forward to welcoming more new residents and businesses in the years to come."

In 2016, an Economic



Development Strategic Plan was developed and adopted by Council. This plan "identifies business sectors that the Township can influence, assigns priorities and creates action plans to help further grow the local economy. Promoting economic growth and attracting new residents will only continue to strengthen North Stormont's position in SDG and Eastern Ontario."

More information on this municipality can be found at www.northstormont.ca.

Good Neighbour award

Continued from the front
Easter ever," Rutters said. He also raises money through an annual auction to purchase school supplies for local school children. He organized a snowsuit fund in late 2016 and, according to Rutters, he built a deck so a child could go outside.

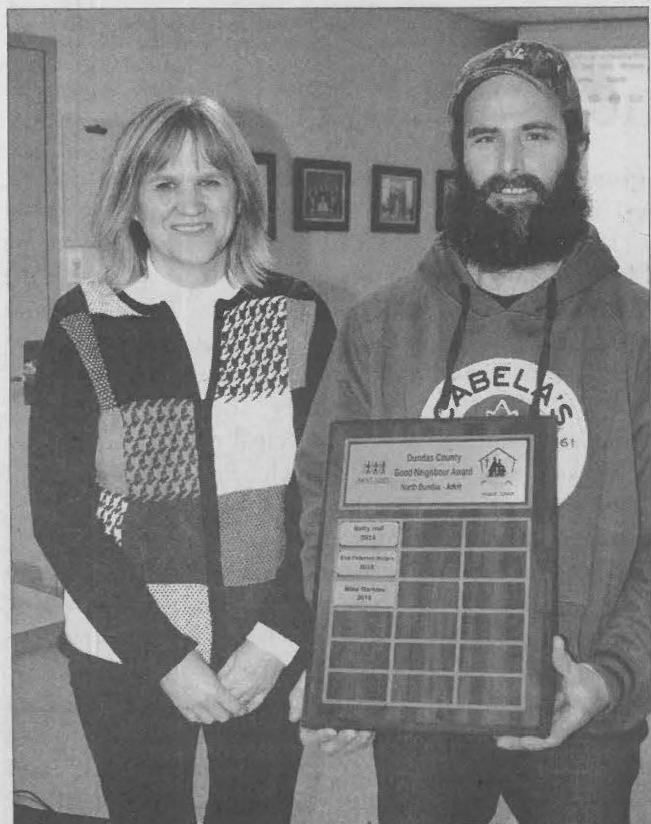
Both Jackson and Garris agreed that Barkley is an amazing person. "(He) truly gives of himself in any way possible," Jackson said. "He has done so much for the community," added Garris.

The South Dundas winner, Chad De Jong, was presented with his plaque during the previous week's council meeting in Morrisburg. This year's nominees included: Inez Bilmer, Chad De Jong, Jim

Girard, and Lietta Tousaw for South Dundas; and, Mike Barkley, Wayne Burns and Ron Derragh for North Dundas. There were no nominees for the youth awards.

North Dundas' past winners were Betty Hall (2013/2014) and Elva Patterson-Rutters (2015), while South Dundas' past winners included Ross Bennett (2013/2014) and David Lapier (2015).

For more information on this or other Linking Hands projects, phone 613-989-3830 or email at scasselman@houseoflazarus.com. Information can also be found on the website (linkinghandsdundas.ca) or by following Linking Hands Dundas County on Facebook.



House of Lazarus Executive Director Cathy Ashby (left) presented the 2016 Linking Hands Dundas County Good Neighbour Award for North Dundas to Mike Barkley at the recent Township of North Dundas Council meeting. Courtesy photo Winchester Press

Still growing in North Stormont

A sign on Hwy 138 north of St. Andrews West welcomes people to the second fastest growing municipality in SDG according to the first release of the 2016 Stats Canada Census data. Courtesy photo



on a spring-like morning.

Done for another year

Chesterville's new festive snowflake lights were taken down on Tues., Feb. 28,

Vetter photo



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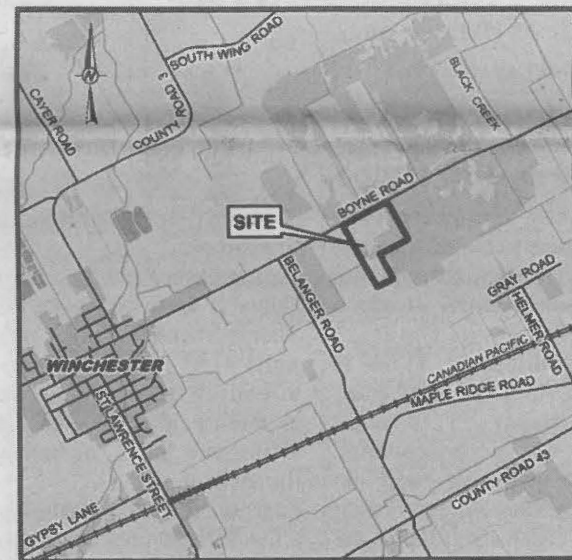
The site is the only municipal waste disposal site available for residents and businesses located in the Township. In late 2014, as part of regulatory approval processes, the Township was made aware that it had exceeded its approved landfill disposal capacity. To continue using the site in the short-term, an emergency Environmental Compliance Approval (ECA) was received and required the Township to evaluate waste management alternatives. The evaluation considered: site closure and waste export, site expansion, a new landfill and alternative waste technologies. The result of the comparative evaluation was that expansion of the existing site was the preferred

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The Township is located in Eastern Ontario, in the United Counties of Stormont, Dundas and Glengarry, approximately 40 kilometres (km) south of Ottawa. The site is located along Boyne Road, approximately 1.5 km east of the Village of Winchester on Lot 8, Concession VI in the former Township of Winchester. The location of the site is indicated on the map below.

The Process

The first step in Environmental Assessment process is the development of a Terms of Reference, which includes opportunities for public review and input. The Terms of Reference provide the framework for: defining the scope of the studies to characterize the existing environment; public consultation methods; identification and assessment of alternative methods of implementing the project; the methods for the prediction and assessment of potential effects of the proposed undertaking on the environment; mitigation measures to avoid or reduce adverse effects; as well as follow-up monitoring and contingency plans. The Terms of Reference will be submitted to the Ministry of the Environment and Climate Change (MOECC) for approval. Once approved by the Minister, the framework from the Terms of Reference will guide the work and studies that will then be completed during the Environmental Assessment.



Want to Get Involved?

Members of the public, agencies and other interested persons are invited to actively participate in the planning process by attending open houses. An initial public open house to introduce the project, discuss the Terms of Reference, the Environmental Assessment and the consultation processes is scheduled for March 7, 2017 between 5:00 pm and 8:00 pm at the Council Chambers located in the Township Office at 636 St. Lawrence Street in Winchester. Information regarding this open house will be posted on the project website at <http://northdundas.com/town-hall/landfill-recycling/landfillea/>.

Doug Froats
Director of Waste Management
Township of North Dundas
636 St. Lawrence Street
P.O. Box 489
Winchester, ON K0C 2K0
Telephone: 613-774-2105 ext. 228
Fax: 613-774-5699
E-mail: dfroats@northdundas.com

Trish Edmond, P.Eng.
EA Project Manager
Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7

Telephone: 613-592-9600
Fax: 613-592-9601
E-mail: trish_edmond@golder.com

Veillez noter qu'il vous est possible de nous communiquer vos commentaires ou vos questions sur le projet en français en les adressant à Trish Edmond aux coordonnées indiquées ci-dessus.

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 MOECC's Freedom of Information and Privacy Coordinator at 416-327-1434.

Comments may also be submitted by the public or interested parties through the Township's website www.northdundas.com and by mail, email or fax, to the contacts for the project provided below.

**PROPOSED TERMS OF REFERENCE - ENVIRONMENTAL ASSESSMENT OF THE
TOWNSHIP OF NORTH DUNDAS WASTE MANAGEMENT PLAN**

**Appendix D2 Notice of Commencement and Open House #1
Template Letters**



February 21, 2017

Address

Notification to Residents

**Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill Site
Township of North Dundas, Ontario**

Dear Mr. White,

The Township of North Dundas (Township) will be initiating an Environmental Assessment (EA) of the proposed expansion of the Boyne Road Landfill Site (Landfill). As part of the EA process, the Township will be consulting with members of the public, stakeholder groups and Indigenous communities.

A copy of the Notice of Commencement for the development of the Terms of Reference for the EA is attached and provides information on the project process. You are invited to attend the first open house, which will take place on Tuesday March 7, 2017 between 5:00 pm and 8:00 pm at the Council Chambers located in the Township Office at 636 St. Lawrence Street in Winchester, Ontario. The objective of this open house is to introduce the project, discuss the Terms of Reference, the EA and the consultation process and solicit input on proposed comparative evaluation criteria.

Please let us know if you are interested in engaging in further discussions and providing input for this project throughout the EA process. If you have any questions, please do not hesitate to contact us at the address or fax provided on this letter or by phone at 613-774-2105 X228 or email at dfroats@northdundas.com. For further information, please visit our website at www.northdundas.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Doug Froats".

Doug Froats
Director, Waste Management

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, Ministry of the Environment and Climate Change

Attachments: Notice of Commencement



February 21, 2017

Address

**Notification to the Government Review Team
Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill Site
Township of North Dundas, Ontario**

Dear Sir or Madam,

The Township of North Dundas (Township) will be initiating an Environmental Assessment (EA) of the proposed expansion of the Boyne Road Landfill Site (Landfill). As part of the EA process, the Township will be consulting with members of the public, stakeholder groups and Indigenous communities.

A copy of the Notice of Commencement for the development of the Terms of Reference for this EA is attached and provides information on the project process. You are invited to attend the first open house, which will take place on Tuesday March 7, 2017 between 5:00 pm and 8:00 pm at the Council Chambers located in the Township Office at 636 St. Lawrence Street in Winchester, Ontario. The objective of this open house is to introduce the project, discuss the Terms of Reference, the EA and the consultation process and solicit input on proposed comparative evaluation criteria.

Please let us know if your department is interested in engaging in further discussions and providing input for this project throughout the EA process. If you have any questions, please do not hesitate to contact us at the address or fax provided on this letter or by phone at 613-774-2105 X228 or email at dfroats@northdundas.com. For further information, please visit our website at www.northdundas.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Doug Froats".

Doug Froats
Director, Waste Management

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, Ministry of the Environment and Climate Change

Attachments: Notice of Commencement

Appendix D3 Comments from the GRT

Edmond, Trish

From: Edmond, Trish
Sent: March 16, 2017 10:23 AM
To: Sanzo, Adam (MOECC) <Adam.Sanzo@ontario.ca>
Cc: Marcerou, Yannick; Doug Froats (dfroats@northdundas.com)
Subject: FW: NEATS 44193: EA - Proposed Expansion of Boyne Road Landfill, Township of North Dundas ONT
Attachments: NEATS 44193 EA - Proposed Expansion of Boyne Road Landfill, Township of North Dundas ONT.pdf

Hi Adam,

We received the attached and below from Transport Canada. After reviewing the Land Use in the Vicinity of Aerodromes and our knowledge on previous EAs we are planning on removing Transport Canada from the GRT distribution list but we will keep the Ottawa Airport and the Rideau Valley Air Park (an aerodrome) on the distribution list. This is because Canadian Aviation Regulations (CARs) apply to sites within 15 km of an airport (these do not apply to aerodromes). CARs require airport wildlife management plans. However birds are known to travel up to 60 km between roosting and feeding sites and bird hazard management plans may need to be developed for waste facilities within this zone based on information from the relevant airport. The Ottawa Airport is 37 km from the Boyne Landfill and the Rideau Valley Air Park is about 23 km from the Boyne Landfill.

If you see any issue with our decision please let us know.

Thanks!
Trish

From: EnviroOnt [mailto:EnviroOnt@tc.gc.ca]
Sent: March 7, 2017 8:59 AM
To: Doug Froats (dfroats@northdundas.com) <dfroats@northdundas.com>; Edmond, Trish <Trish_Edmond@golder.com>
Cc: Smolkin, Paul <Paul_Smolkin@golder.com>; Marcerou, Yannick <Yannick_Marcerou@golder.com>
Subject: NEATS 44193: EA - Proposed Expansion of Boyne Road Landfill, Township of North Dundas ONT

Greetings,

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 further correspondence. If there is a role under the program, correspondence should be forwarded *electronically* to: EnviroOnt@tc.gc.ca with a brief description of Transport Canada's expected role.

*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, Ontario Region

Transport Canada / Government of Canada / 4900 Yonge St., Toronto, ON M2N 6A5

EnviroOnt@tc.gc.ca / Facsimile : (416) 952-0514 / TTY: 1-888-675-6863

Programme d'évaluation environnementale, Région de l'Ontario

Transports Canada / Gouvernement du Canada / 4900, rue Yonge, Toronto, ON, M2N 6A5

EnviroOnt@tc.gc.ca / télécopieur: (416) 952-0514

From: Marcerou, Yannick [mailto:Yannick_Marcerou@golder.com]

Sent: Wednesday, February 22, 2017 10:38 AM

To: EnviroOnt <EnviroOnt@tc.gc.ca>

Cc: Doug Froats (dfroats@northdundas.com) <dfroats@northdundas.com>; Edmond, Trish <Trish_Edmond@golder.com>; Smolkin, Paul <Paul_Smolkin@golder.com>

Subject: [1648253] Boyne Road Landfill EA - NOC and OH1

Hello,

Please find attached the Notice of Commencement (NOC) of Terms of Reference for the Boyne Road Landfill EA as well as a cover letter.

Regards,

Yannick

Yannick Marcerou (M.Eng.) | Environmental/Waste Consultant | **Golder Associates Ltd.**

1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7

T: +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **E:** Yannick_Marcerou@golder.com | www.golder.com

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Please consider the environment before printing this email.

Edmond, Trish

From: Edmond, Trish
Sent: March 31, 2017 9:47 AM
To: O'Hara, Charles (MMA)
Subject: FW: [1648253] Boyne Road Landfill EA - NOC and OH1

Hi Charles,

I'm just following up on this email below.

Cheers,
Trish

From: Edmond, Trish
Sent: March 16, 2017 8:15 AM
To: O'Hara, Charles (MMA) <Charles.OHara@ontario.ca>; Marcerou, Yannick <Yannick_Marcerou@golder.com>
Cc: Doug Froats (dfroats@northdundas.com) <dfroats@northdundas.com>
Subject: RE: [1648253] Boyne Road Landfill EA - NOC and OH1

Thanks for your response Charles. Does this mean we should remove you from the government review team for this EA?

Kind regards,
Trish



We are a proud supporter of the Golder Trust for Orphans. | Join our [Facebook](#) community.

Trish Edmond (M.E.Sc., P.Eng.) | Geoenvironmental Engineer / Associate | **Golder Associates Ltd.**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 799-1960 | **E:** Trish_Edmond@golder.com | www.golder.com

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Please consider the environment before printing this email.

From: O'Hara, Charles (MMA) [<mailto:Charles.OHara@ontario.ca>]
Sent: March 7, 2017 9:29 AM
To: Marcerou, Yannick <Yannick_Marcerou@golder.com>
Cc: Doug Froats (dfroats@northdundas.com) <dfroats@northdundas.com>; Edmond, Trish <Trish_Edmond@golder.com>; Smolkin, Paul <Paul_Smolkin@golder.com>
Subject: RE: [1648253] Boyne Road Landfill EA - NOC and OH1

Thank you, we have no comment.

From: Marcerou, Yannick [mailto:Yannick_Marcerou@golder.com]
Sent: March-06-17 2:35 PM
To: O'Hara, Charles (MMA)
Cc: Doug Froats (dfroats@northdundas.com); Edmond, Trish; Smolkin, Paul
Subject: [1648253] Boyne Road Landfill EA - NOC and OH1

Hello,

Please find attached the Notice of Commencement (NOC) of Terms of Reference for the Boyne Road Landfill EA as well as a cover letter. Hardcopies were sent to you by courier on February 21 but apparently they were not delivered.

Regards,

Yannick

Yannick Marcerou (M.Eng.) | Environmental/Waste Consultant | **Golder Associates Ltd.**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **E:** Yannick_Marcerou@golder.com | www.golder.com

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Please consider the environment before printing this email.

**Ministry of Tourism,
Culture and Sport**

Culture Services Unit
Programs and Services Branch
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel: 416 314 7643
Fax: 416 212 1802

**Ministère du Tourisme,
de la Culture et du Sport**

Unité des services culturels
Direction des programmes et des services
401, rue Bay, Bureau 1700
Toronto ON M7A 0A7
Tél: 416 314 7643
Télé: 416 212 1802



07 March 2017

EMAIL ONLY

Doug Froats
Director, Waste Management
Township of North Dundas
636 St. Lawrence Street
P.O. Box 489
Winchester, ON K0C 2K0
dfroats@northdundas.ca

MTCS File # : 0006336
Proponent : Township of North Dundas
Subject : Notice of Commencement/Completion
Project : Boyne Road Landfill Expansion
Location : Lot 8, Concession VI, former Township of Winchester, now the Township of North Dundas

Dear Mr. Froats:

Thank you for providing the Ministry of Tourism, Culture and Sport (MTCS) with the Notice of Commencement for the above project. MTCS's interest in this EA project relates to its mandate of conserving Ontario's cultural heritage, which includes:

- Archaeological resources, including land and marine;
- Built heritage resources, including bridges and monuments; and,
- Cultural heritage landscapes.

Under the EA process, the proponent is required to determine a project's potential impact on cultural heritage resources.

Project Summary

The Township of North Dundas is proposing to expand the existing Boyne Road Landfill Site as it has exceeded its approved capacity.

Identifying Cultural Heritage Resources

While some cultural heritage resources may have already been formally identified, others may be identified through screening and evaluation. Aboriginal communities may have knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Aboriginal communities includes a discussion about known or potential cultural heritage resources that are of value to these communities. Municipal Heritage Committees, historical societies and other local heritage organizations may also have knowledge that contributes to the identification of cultural heritage resources.

Archaeological Resources

Your EA project may impact archaeological resources and you should screen the project with the MTCS [Criteria for Evaluating Archaeological Potential](#) to determine if an archaeological assessment is needed. MTCS archaeological sites data are available at archaeology@ontario.ca. If your EA project area exhibits archaeological potential, then an archaeological assessment (AA) should be undertaken by an

archaeologist licenced under the *OHA*, who is responsible for submitting the report directly to MTCS for review.

Built Heritage and Cultural Heritage Landscapes

The MTCS [Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes](#) should be completed to help determine whether your EA project may impact cultural heritage resources. The Township's clerk can provide information on property registered or designated under the *Ontario Heritage Act*. Municipal Heritage Planners can also provide information that will assist you in completing the checklist.

If potential or known heritage resources exist, MTCS recommends that a Heritage Impact Assessment (HIA), prepared by a qualified consultant, should be completed to assess potential project impacts. Our Ministry's [Info Sheet #5: Heritage Impact Assessments and Conservation Plans](#) outlines the scope of HIAs. Please send the HIA to MTCS for review, and make it available to local organizations or individuals who have expressed interest in heritage.

Environmental Assessment Reporting

All technical heritage studies and their recommendations are to be addressed and incorporated into EA projects. Please advise MTCS whether any technical heritage studies will be completed for your EA project, and provide them to MTCS before issuing a Notice of Completion or commencing any work on site. If your screening has identified no known or potential cultural heritage resources, or no impacts to these resources, please include the completed checklists and supporting documentation in the EA report or file.

Thank you for consulting MTCS on this project; please continue to do so through the EA process and contact me for any questions or clarification.

Sincerely,

Katherine Kirzati
Heritage Planner
katherine.kirzati@ontario.ca

c: Trish Edmond
Golder Associates

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MTCS makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MTCS be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MTCS if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the *Ontario Heritage Act* and the Standards and Guidelines for Consultant Archaeologists.

If human remains are encountered, all activities must cease immediately and the local police as well as the Cemeteries Regulation Unit of the Ministry of Government and Consumer Services must be contacted. In situations where human remains are associated with archaeological resources, MTCS should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.



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

March 13, 2017

Sent by email

Doug Froats
Township of North Dundas
636 St. Lawrence Street, P.O. Box 489
Winchester, ON K0C2K0
dfroats@northdundas.com

Dear Mr. Froats:

Re: Information on the *Canadian Environmental Assessment Act, 2012*

Thank you for your correspondence of February 21, 2017 regarding the Boyne Road Landfill Site.

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
Regional Director

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/default.asp?lang=En&n=3CA9CEE5-1>

Appendix D4 Open House #1 Materials

Environmental Assessment (EA) of the Proposed Expansion of the Boyne Road Landfill

WELCOME to Open House #1

We want your input!

You are invited to browse the display material and
talk to our staff and consultants

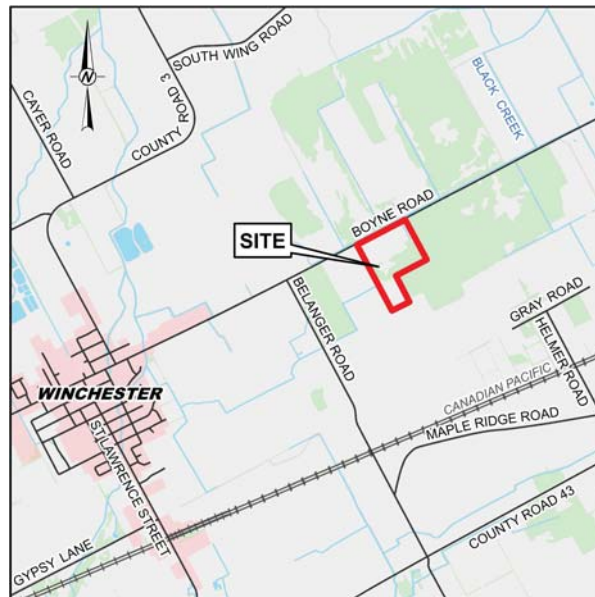
Please fill out a comment form so that we can
include your questions or comments in the EA
document

Comment forms are located at the sign-in table

About the Site



- The Boyne Road Landfill Site is located south of Boyne Road, approximately 1.5 kilometres east of the Village of Winchester, has been operating as a licensed landfill facility since 1965.
- The Site is located in a rural area. The nearest residence is over 500 metres away and there are only approximately 5 residences within a 1 kilometre radius of the Site.



- The Landfill Site is authorized to accept waste only from residents, institutions and businesses within the Township of North Dundas.
- Diversion activities at the Site: a municipal waste recycling facility for metals, plastics, cardboard and newspapers; a tire recycling program; a household hazardous waste depot; and a waste electrical and electronic equipment depot are available for the Site's users.

Landfill Site Operations

- The landfill operates as a Natural Attenuation Site where the natural setting is relied upon to protect off-Site groundwater. Over the years, the Township has acquired lands and easements around the site to ensure that off-Site groundwater quality complies with the province's Reasonable Use Guideline (RUG).
- Contaminant attenuation zones (CAZ) are located to the north and west of the disposal area; buffer land is located to the east and south of the disposal area.
- Refer to Board 5 for a representation of existing CAZ and buffer lands around the landfill property boundaries.



- Approved landfill footprint: 8.1 hectares.
- Approved landfilling capacity: 395,000 cubic metres.
- Annual fill rate in recent years: 15,000 to 19,000 cubic metres per year (compacted waste and daily cover).
- Annual groundwater and surface water monitoring and reporting has been ongoing at the site for about two decades to assess the site's environmental compliance.
- The site is currently interpreted to be operating in compliance with provincial guidelines with regards to landfill leachate impacts to groundwater and surface water.

Waste Management Alternatives

- In late 2014 it was discovered that the Site had exceeded its approved waste disposal capacity, based on the original 1971 license application.
- In 2015, the Township completed a long-term waste management alternatives evaluation (WMAE) to address the overfill situation at the Site.

ALTERNATIVE 1: LANDFILL CLOSURE AND EXPORT OF WASTE FOR DISPOSAL

- Continue diversion activities at the Site
- Establish a waste transfer facility at the Site
- Export waste for disposal at the Eastern Ontario Waste Handling Facility (Lafleche landfill facility)
- Close the landfill portion of the Site

ALTERNATIVE 2: LANDFILL SITE EXPANSION

- Obtain approval from the Ministry of the Environment and Climate Change for an increase in the disposal capacity of the Site (Environmental Assessment required)
- Continue providing diversion and disposal services to rate payers

ALTERNATIVE 3: ESTABLISH A NEW LANDFILL SITE IN THE TOWNSHIP

- Establish a disposal site at a new location within the municipality
- Possibility to share capital expenditures and financial liability with neighbouring municipalities in the case of a new, more regional-scale waste disposal site

ALTERNATIVE 4: ALTERNATIVE WASTE MANAGEMENT TECHNOLOGIES (THERMAL TREATMENT, E.G., ENERGY FROM WASTE FACILITY)

- Obtain approval to establish an Energy From Waste Facility at a new location within the municipality (Environmental Assessment required)
- Close the landfill portion of the Site
- Possibility to share capital expenditures and financial liability with neighbouring municipalities in the case of a new regional-scale waste facility

Proposed Project

- The Township Council decided to pursue Alternative 2 – Landfill Site Expansion (Resolution No. 4, Council Meeting, November 10, 2015).
- Planning period: 25 years after receiving all required approvals.
- Volumetric landfill expansion considered: 642,500 cubic metres (including existing overfill volume already in place)
- The proposed area for landfill expansion is shown below, as well as the existing CAZ and Buffer lands.



Terms of Reference

The Terms of Reference (TOR) is the first step in the EA application process. It is a framework or work plan for the preparation and evaluation of the EA.

The Township of North Dundas will draft the TOR in consultation with local residents, businesses and other stakeholders.

The TOR identifies:

- The proponent (the Township)
- The project
- Previous studies and activities detailing the rationale for the project and the alternatives considered
- Studies required to describe existing environmental conditions
- Methods to estimate and assess potential effects of the project on the environment
- Alternative methods for implementing the project
- Consultation activities throughout the TOR preparation process and how consultation will be conducted during the EA

The Township of North Dundas will submit the TOR to the Ministry for review and a decision.

The decision to approve or reject the TOR, or approve the TOR with conditions, is made by the Ontario Minister of the Environment and Climate Change.

Once the TOR is approved, the Township of North Dundas can begin to prepare the EA.

EA Process and Consultation

Open House #1 March 7, 2017

- Introduction of the project
- Overview of the EA process and consultation

Open House #2 Summer/ Fall 2017

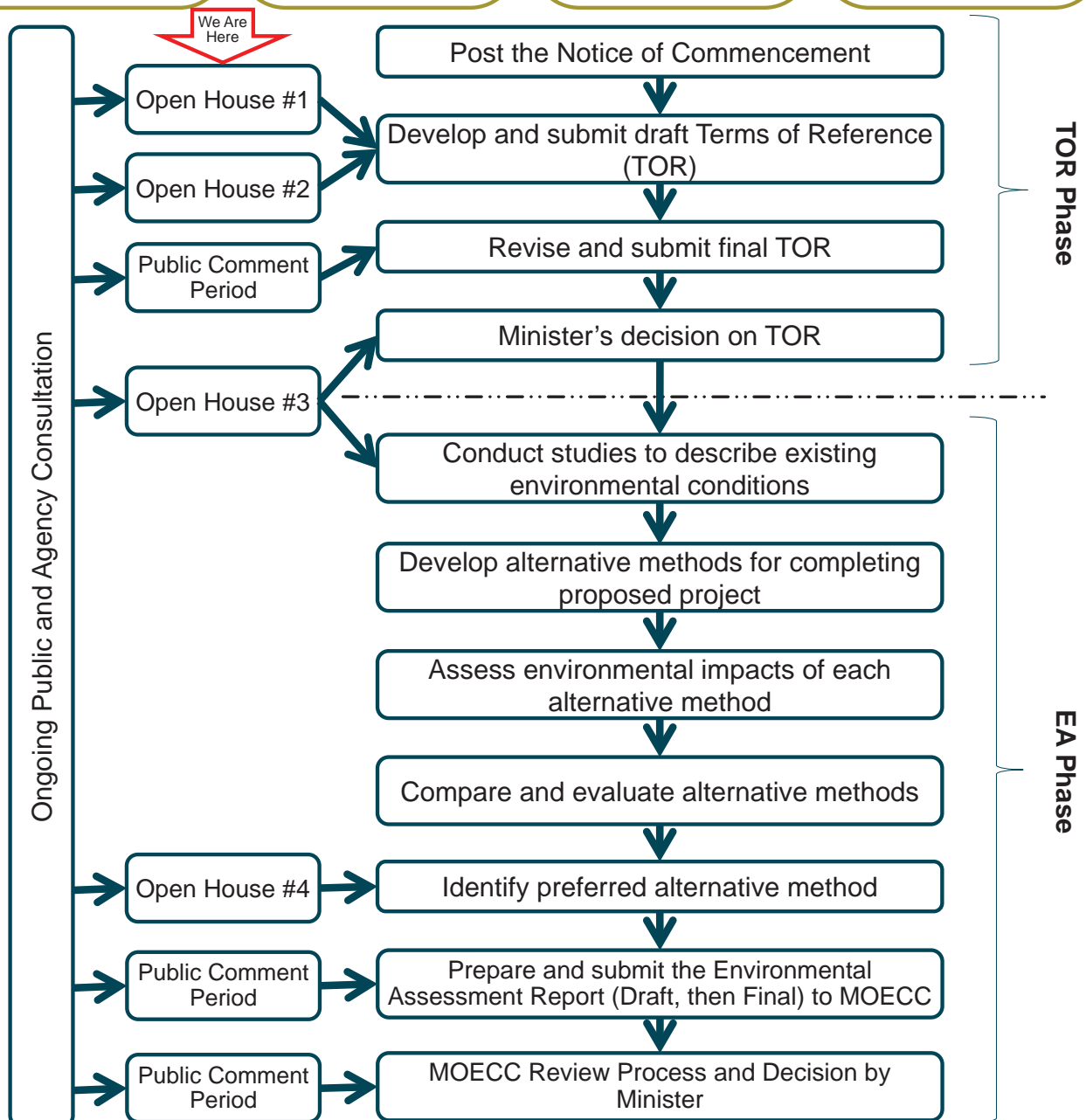
- Present Draft Terms of Reference

Open House #3 2018

- Present Approved Terms of Reference
- Overview of the EA activities

Open House #4 2019

- Predicted effects of expansion
- Comparison of expansion alternatives
- Identification of preferred alternative



Proposed EA Criteria

- Various aspects or components of the environment will be studied and used to assess potential effects of alternative ways that the landfill expansion project could be implemented.
- The following table lists proposed environmental, socio-economic and technical criteria for this EA.
- Please tell us what is important to you, either using the provided markers on this board or using the handouts.
- Is there anything we have missed? Please add them to a handout.

Proposed Assessment Criteria				
Component	Sub-Component	Very Important	Important	Less Important
Environmental Components				
Atmosphere	Air quality (including greenhouse gases and odour)			
	Noise			
Hydrogeology	Groundwater quality			
Surface Water	Surface water quality			
	Surface water quantity/flow			
Biology	Terrestrial ecosystems			
	Aquatic ecosystems			
Socio-Economic Components				
Archaeology and Cultural Heritage	Cultural heritage resources			
	Archaeological resources			
	Cultural landscapes			
Land Use	Current and planned future land uses			
	Agricultural land and agricultural operations			
Socio-economics	Continued service to residents			
	Landscape and views			
Technical Components				
Site Design and Operation	Site design and operational characteristics			

Next Steps

- The next steps for the Terms of Reference (TOR) are:
 - Over the 2017 summer we will consult with the Ministry of the Environment and Climate Change and members of the Government Review Team to develop the draft TOR.
 - In the 2017 summer/fall we will host a second open house where we will discuss and make available the proposed contents of the draft TOR for your review.
 - After we receive your comments on the draft TOR, we will consider, address and incorporate your comments in the final TOR.
 - The Township will submit the TOR to the Ministry in late fall or early winter of 2017.
 - There will be another opportunity for you to provide comments on the TOR after it is submitted.
 - We will post information on the project website as it becomes available:

<http://northdundas.com/landfillea/>

- The Minister of the Environment and Climate Change will make a decision on the TOR.
- Once the TOR is approved, the Township can begin to prepare the EA.

How to Get Involved

Attend an Open House

- A second open house is proposed for the summer/fall of 2017 to discuss the draft Terms of Reference.
- Details of the open house will be posted in the local media and on the project website.

Visit the Project Website

<http://northdundas.com/landfilllea/>



- Watch the project website for news and updates.
- Submit any comments or questions at this event in a comment sheet or via the email at the addresses provided:

Doug Froats
 Director of Waste Management
 636 St. Lawrence Street
 P.O. Box 489
 Winchester, ON K0C 2K0
 Phone: 613-774-2105 ext. 228
 Fax: 613-774-5699
 Email: dfroats@northdundas.com

Trish Edmond, P.Eng.
 EA Project Manager
 Golder Associates Ltd.
 1931 Robertson Road
 Ottawa, ON K2H 5B7
 Phone: 613-592-9600
 Fax: 613-592-9601
 E-mail: trish_edmond@golder.com

Join the Distribution List

- If you would like to be notified of any project updates, please let us know and provide either an email address or your mailing address.

Environmental Assessment of
 the Proposed Expansion of the
 Boyne Road Landfill Site



**DEVELOPMENT OF THE TERMS OF REFERENCE OF THE ENVIRONMENTAL ASSESSMENT
OF THE PROPOSED EXPANSION OF THE BOYNE ROAD LANDFILL**

PUBLIC OPEN HOUSE #1 – MARCH 7, 2017, 5 – 8 P.M.

COUNCIL CHAMBERS, TOWNSHIP OFFICE, 636 ST. LAWRENCE STREET, WINCHESTER

Thank you for taking the time to provide us with your comments.

Under the Freedom of Information and Protection of Privacy Act and the Ontario 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 records files for this matter and will be released, if requested, to any person.

Would you like to be notified of future activities? If yes, please include the appropriate contact information below.

___ YES, BY MAIL ___ YES, BY EMAIL ___ NO

NAME:

EMAIL:

ADDRESS:

PHONE NUMBER:

1. Please provide any general comments regarding this open house

2. Please provide any suggestions, comments or concerns for consideration in the development of the draft Terms of Reference?

PUBLIC OPEN HOUSE #1 – MARCH 7, 2017

3. What public consultation events/activities do you feel would best engage the community in this EA? Please provide any comments or questions regarding our proposed consultation program.

4. Various aspects or components of the environment will be studied and used to assess potential effects of alternative ways that the landfill expansion project could be carried out. The following table lists proposed environmental, socio-economic and technical criteria being considered for this EA.

Please tell us how these rank in importance to you. Is there any aspect we may have missed?

Proposed Assessment Criteria				
Component	Sub-Component	Very Important	Important	Less Important
Environmental Components				
Atmosphere	Air quality (including greenhouse gases and odour)			
	Noise			
Hydrogeology	Groundwater quality			
Surface Water	Surface water quality			
	Surface water quantity/flow			
Biology	Terrestrial ecosystems			
	Aquatic ecosystems			
Socio-Economic Components				
Archaeology and Cultural Heritage	Cultural heritage resources			
	Archaeological resources			
	Cultural landscapes			
Land Use	Current and planned future land uses			
	Agricultural land and agricultural operations			
Socio-economics	Continued service to residents			
	Landscape and views			
Technical Components				
Site Design and Operation	Site design and operational characteristics			

If you do not have time to submit your comments this evening,
please provide them by email, mail or fax to:

Doug Froats
Director of Waste Management
Township of North Dundas
636 St. Lawrence Street
P.O. Box 489
Winchester, ON K0C 2K0
Telephone: 613-774-2105 ext. 228
Fax: 613-774-5699
E-mail: dfroats@northdundas.com

or

Trish Edmond, P.Eng.
EA Project Manager
Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7
Telephone: 613-592-9600
Fax: 613-592-9601
E-mail: trish_edmond@golder.com



PUBLIC OPEN HOUSE #1 – MARCH 7, 2017

ENVIRONMENTAL ASSESSMENT OF THE PROPOSED EXPANSION OF THE BOYNE ROAD LANDFILL

SIGN IN SHEET

	Name (First, Last)	Address	Postal Code	Phone Number	Email
1	<input type="checkbox"/> Please <u>do not</u> include me in any future consultation	<input type="checkbox"/> Add me to the mail distribution list			<input type="checkbox"/> Add me to the email distribution list
2	<input type="checkbox"/> Please <u>do not</u> include me in any future consultation	<input type="checkbox"/> Add me to the mail distribution list			<input type="checkbox"/> Add me to the email distribution list
3	<input type="checkbox"/> Please <u>do not</u> include me in any future consultation	<input type="checkbox"/> Add me to the mail distribution list			<input type="checkbox"/> Add me to the email distribution list
4	<input type="checkbox"/> Please <u>do not</u> include me in any future consultation	<input type="checkbox"/> Add me to the mail distribution list			<input type="checkbox"/> Add me to the email distribution list
5	<input type="checkbox"/> Please <u>do not</u> include me in any future consultation	<input type="checkbox"/> Add me to the mail distribution list			<input type="checkbox"/> Add me to the email distribution list

Appendix D5 Comments from the Public

Proposed EA Criteria

- Various aspects or components of the environment will be studied and used to assess potential effects of alternative ways that the landfill expansion project could be implemented.
- The following table lists proposed environmental, socio-economic and technical criteria for this EA.
- Please tell us what is important to you, either using the provided markers on this board or using the handouts.
- Is there anything we have missed? Please add them to a handout.

Proposed Assessment Criteria				
Component	Sub-Component	Very Important	Important	Less Important
Environmental Components				
Atmosphere	Air quality (including greenhouse gases and odour)		•	
	Noise			•
Hydrogeology	Groundwater quality	•		
Surface Water	Surface water quality	•		
	Surface water quantity/flow			•
Biology	Terrestrial ecosystems			•
	Aquatic ecosystems			•
Socio-Economic Components				
Archaeology and Cultural Heritage	Cultural heritage resources			•
	Archaeological resources			•
	Cultural landscapes			•
Land Use	Current and planned future land uses		•	
	Agricultural land and agricultural operations		•	
Socio-economics	Continued service to residents		•	
	Landscape and views		•	
Technical Components				
Site Design and Operation	Site design and operational characteristics			•

Environmental Assessment of
the Proposed Expansion of the
Boyne Road Landfill Site

APPENDIX E

Open House #2

Appendix E1 Advertisements

Appendix E2 Open House #2 Template Letters

Appendix E3 Comments from the GRT

Appendix E4 Open House 2 Materials

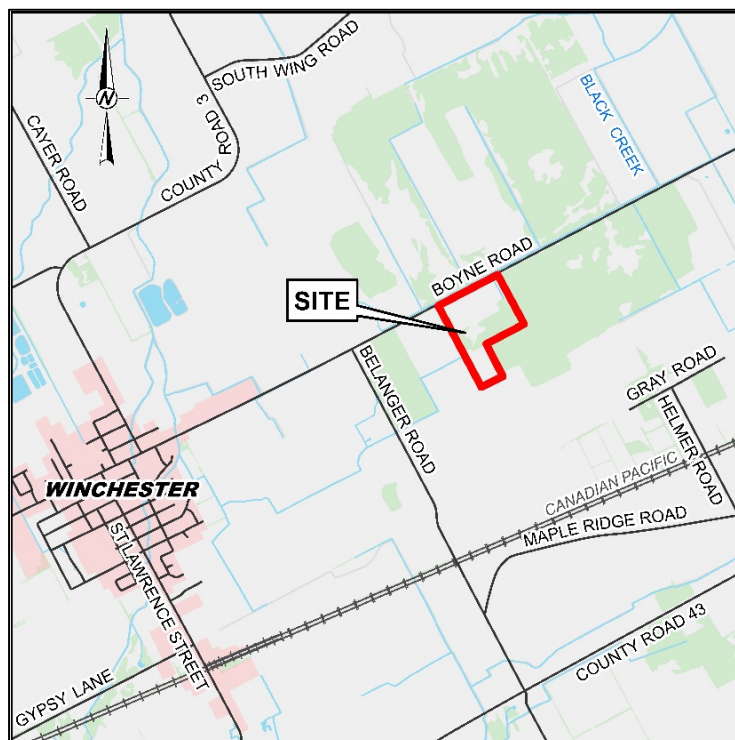
Appendix E1 Advertisements

Notice of Open House #2 Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill, Township of North Dundas

The Township of North Dundas (the Township) has initiated a study under the *Environmental Assessment Act* to expand the Boyne Road Landfill Site (the site).

The site is the only municipal waste disposal site available for residents and businesses located in the Township. In late 2014, as part of regulatory approval processes, the Township was made aware that it had exceeded its approved landfill disposal capacity. To continue using the site in the short-term, an emergency Environmental Compliance Approval (ECA) was received and required the Township to evaluate waste management alternatives. The evaluation considered: site closure and waste export, site expansion, a new landfill and alternative waste technologies. The result of the comparative evaluation was that expansion of the existing site was the preferred alternative. Based on the findings of this evaluation, the Council directed Township staff to pursue approval to expand the site. The site expansion requires approval under the Ontario *Environmental Assessment Act*. The purpose of the environmental assessment is to identify alternatives and study the potential effects of the proposed landfill expansion on the environment.

The Township is located in Eastern Ontario, in the United Counties of Stormont, Dundas and Glengarry, approximately 40 kilometres (km) south of Ottawa. The site is located along Boyne Road, approximately 1.5 km east of the Village of Winchester on Lot 8, Concession VI in the former Township of Winchester. The location of the site is indicated on the map below.



The Township wants community feedback on the proposed expansion of the Site and is hosting this second open house as follows:

October 26, 2017

Council Chambers in the Township Office
636 St. Lawrence Street, Winchester
5 – 8 p.m.

At this open house the public will learn about the proposed content of the Draft Terms of Reference for the EA, i.e., existing site conditions, alternative methods being considered for the landfill expansion, the proposed methodology and work plans for evaluating and comparing the alternative methods, and how to be involved in the EA process, as well as opportunities to provide feedback on the Terms of Reference. Attendees will have the opportunity to have one-on-one discussions with Township staff and the project consultant.

If you wish to be added to the project contact list, or have questions, please contact Township staff as noted below or visit the Township's website at:

<http://northdundas.com/town-hall/landfill-recycling/landfillea/>.

Comments may also be submitted by the public or interested parties through the Township's website www.northdundas.com and by mail, email or fax, to the contacts for the project provided below.

Doug Froats
Director of Waste Management
Township of North Dundas
636 St. Lawrence Street
P.O. Box 489
Winchester, ON K0C 2K0
Telephone: 613-774-2105 ext. 228
Fax: 613-774-5699
E-mail: dfroats@northdundas.com

Trish Edmond, P.Eng.
EA Project Manager
Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7
Telephone: 613-592-9600
Fax: 613-592-9601
E-mail: trish_edmond@golder.com

Veillez noter qu'il vous est possible de nous communiquer vos commentaires ou vos questions sur le projet en français en les adressant à Trish Edmond aux coordonnées indiquées ci-dessus.

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 MOECC's Freedom of Information and Privacy Coordinator at 416-327-1434.



PUBLIC NOTICE

P.O. Box 489, 636 St. Lawrence St., Winchester, ON, K0C 2K0
613-774-2105 Fax 613-774-5699
www.northdundas.com info@northdundas.com



NOTICE OF OPEN HOUSE #2 ENVIRONMENTAL ASSESSMENT OF THE PROPOSED EXPANSION OF THE BOYNE ROAD LANDFILL, TOWNSHIP OF NORTH DUNDAS

The Township of North Dundas (the Township) has initiated a study under the *Environmental Assessment Act* to expand the Boyne Road Landfill Site (the site).

The site is the only municipal waste disposal site available for residents and businesses located in the Township. In late 2014, as part of regulatory approval processes, the Township was made aware that it had exceeded its approved landfill disposal capacity. To continue using the site in the short-term, an emergency Environmental Compliance Approval (ECA) was received and required the Township to evaluate waste management alternatives. The evaluation considered: site closure and waste export, site expansion, a new landfill and alternative waste technologies. The result of the comparative evaluation was that expansion of the existing site was the preferred

alternative. Based on the findings of this evaluation, the Council directed Township staff to pursue approval to expand the site. The site expansion requires approval under the *Ontario Environmental Assessment Act*. The purpose of the environmental assessment is to identify alternatives and study the potential effects of the proposed landfill expansion on the environment.

The Township is located in Eastern Ontario, in the United Counties of Stormont, Dundas and Glengarry, approximately 40 kilometres (km) south of Ottawa. The site is located along Boyne Road, approximately 1.5 km east of the Village of Winchester on Lot 8, Concession VI in the former Township of Winchester. The location of the site is indicated on the map below.

The Township wants community feedback on the proposed expansion of the Site and is hosting this second open house as follows:

October 26, 2017
Council Chambers in the Township Office
636 St. Lawrence Street, Winchester
5 – 8 p.m.

At this open house the public will learn about the proposed content of the Draft Terms of Reference for the EA, i.e., existing site conditions, alternative methods being considered for the landfill expansion, the proposed methodology and work plans for evaluating and comparing the alternative methods, and how to be involved in the EA process, as well as opportunities to provide feedback on the Terms of Reference. Attendees will have the opportunity to have one-on-one discussions with Township staff and the project consultant.

If you wish to be added to the project contact list, or have questions, please contact Township staff as noted below or visit the Township's website at: <http://northdundas.com/town-hall/landfill-recycling/landfillea/>.

Doug Froats
Director of Waste Management
Township of North Dundas
636 St. Lawrence Street
P.O. Box 489
Winchester, ON K0C 2K0
Telephone: 613-774-2105 ext. 228
Fax: 613-774-5699
E-mail: dfroats@northdundas.com



Comments may also be submitted by the public or interested parties through the Township's website www.northdundas.com and by mail, email or fax, to the contacts for the project provided below.

Trish Edmond, P.Eng.
EA Project Manager
Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7

Telephone: 613-592-9600
Fax: 613-592-9601
E-mail: trish_edmond@golder.com

Veuillez noter qu'il vous est possible de nous communiquer vos commentaires ou vos questions sur le projet en français en les adressant à Trish Edmond aux coordonnées indiquées ci-dessus.

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 MOECC's Freedom of Information and Privacy Coordinator at 416-327-1434.



PUBLIC NOTICE

P.O. Box 489, 636 St. Lawrence St., Winchester, ON, K0C 2K0
 613-774-2105 Fax 613-774-5699
www.northdundas.com info@northdundas.com



NOTICE OF OPEN HOUSE #2 ENVIRONMENTAL ASSESSMENT OF THE PROPOSED EXPANSION OF THE BOYNE ROAD LANDFILL, TOWNSHIP OF NORTH DUNDAS

The Township of North Dundas (the Township) has initiated a study under the *Environmental Assessment Act* to expand the Boyne Road Landfill Site (the site).

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alternative. Based on the findings of this evaluation, the Council directed Township staff to pursue approval to expand the site. The site expansion requires approval under the *Ontario Environmental Assessment Act*. The purpose of the environmental assessment is to identify alternatives and study the potential effects of the proposed landfill expansion on the environment.

The Township is located in Eastern Ontario, in the United Counties of Stormont, Dundas and Glengarry, approximately 40 kilometres (km) south of Ottawa. The site is located along Boyne Road, approximately 1.5 km east of the Village of Winchester on Lot 8, Concession VI in the former Township of Winchester. The location of the site is indicated on the map below.

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If you wish to be added to the project contact list, or have questions, please contact Township staff as noted below or visit the Township's website at:
<http://northdundas.com/town-hall/landfill-recycling/landfill-ea/>.

Doug Froats
 Director of Waste Management
 Township of North Dundas
 636 St. Lawrence Street
 P.O. Box 489
 Winchester, ON K0C 2K0
 Telephone: 613-774-2105 ext. 228
 Fax: 613-774-5699
 E-mail: dfroats@northdundas.com



Comments may also be submitted by the public or interested parties through the Township's website www.northdundas.com and by mail, email or fax, to the contacts for the project provided below.

Trish Edmond, P.Eng.
 EA Project Manager
 Golder Associates Ltd.
 1931 Robertson Road
 Ottawa, ON K2H 5B7

Telephone: 613-592-9600
 Fax: 613-592-9601
 E-mail: trish_edmond@golder.com

Veillez noter qu'il vous est possible de nous communiquer vos commentaires ou vos questions sur le projet en français en les adressant à Trish Edmond aux coordonnées indiquées ci-dessus.

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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 MOECC's Freedom of Information and Privacy Coordinator at 416-327-1434.

Appendix E2 Open House #2 Template Letters



October 10, 2017

Address

**Notification of Upcoming Open House
Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill Site
Township of North Dundas, Ontario**

Dear Mr. and Mrs. XX,

You are invited to attend an open house, hosted by the Township of North Dundas, to discuss the development of the Terms of Reference for the Environmental Assessment (EA) of the proposed expansion of the Boyne Road Landfill. The open house will be held on **Thursday October 27th from 5 – 8 p.m. at Council Chambers in the Township Office, 636 St. Lawrence Street, Winchester.**

The attached notice describes the project background, what will be discussed at the Open House and how to maintain involvement in the project.

Please let us know if you are interested in engaging in further discussions and providing input for this project throughout the EA process. If you have any questions, please do not hesitate to contact us at the address or fax provided on this letter or by phone at 613-774-2105 X228 or email at dfroats@northdundas.com. For further information, please visit our website at www.northdundas.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Doug Froats".

Doug Froats
Director, Waste Management

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, Ministry of the Environment and Climate Change

Attachments: Notice of Open House #2



October 10, 2017

Address

**Notification to the Government Review Team
Notification of Upcoming Open House
Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill Site
Township of North Dundas, Ontario**

«GreetingLine»

You are invited to attend an open house, hosted by the Township of North Dundas, to discuss the development of the Terms of Reference for the Environmental Assessment (EA) of the proposed expansion of the Boyne Road Landfill. The open house will be held on **Thursday October 27th from 5 – 8 p.m. at Council Chambers in the Township Office, 636 St. Lawrence Street, Winchester.**

The attached notice describes the project background, what will be discussed at the Open House and how to maintain involvement in the project.

Please let us know if your department is interested in engaging in further discussions and providing input for this project throughout the EA process. If you have any questions, please do not hesitate to contact us at the address or fax provided on this letter or by phone at 613-774-2105 X228 or email at dfroats@northdundas.com. For further information, please visit our website at www.northdundas.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Doug Froats".

Doug Froats
Director, Waste Management

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, Ministry of the Environment and Climate Change

Attachments: Notice of Open House #2

Edmond, Trish

Subject: FW: Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Attachments: 1648253_DOC024_Boyne Landfill EA OH2 Notice_for_Distribution.pdf

Importance: High

From: Hanschell, Jessica
Sent: October 12, 2017 5:05 PM
To: ADDRESS
Cc: Edmond, Trish <Trish_Edmond@golder.com>
Subject: Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill
Importance: High

Sent on behalf of Doug Froats



October 12, 2017

**Notification of Upcoming Open House
Environmental Assessment of the Proposed Expansion of
the Boyne Road Landfill Site
Township of North Dundas, Ontario**

Dear Sir/Madam,

You are invited to attend an open house, hosted by the Township of North Dundas, to discuss the development of the Terms of Reference for the Environmental Assessment (EA) of the proposed expansion of the Boyne Road Landfill. The open house will be held on **Thursday October 27th from 5 – 8 p.m. at Council Chambers in the Township Office, 636 St. Lawrence Street, Winchester.**

The attached notice describes the project background, what will be discussed at the Open House and how to maintain involvement in the project.

Please let us know if your department is interested in engaging in further discussions and providing input for this project throughout the EA process. If you have any questions, please do not hesitate to contact us at the address or fax provided on this letter or by phone at 613-774-2105 X228 or email at dfroats@northdundas.com. For further information, please visit our website at www.northdundas.com.

Sincerely,



Doug Froats
Director, Waste Management

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, Ministry of the Environment and Climate Change

Attachments: Notice of Open House #2

Jessica Hanschell | Environmental Consultant | **Golder Associates Ltd.** | ◀ **GOLDER: 50 YEARS IN OTTAWA!**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7 ◀ **We Have Moved!**
T: +1 (613) 592 9600 | x3337 | **F:** +1 (613) 592 9601 | **E:** Jessica.Hanschell@golder.com | www.golder.com

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Please consider the environment before printing this email.

Appendix E3 Comments from the GRT

Edmond, Trish

From: Barboza, Karla (MTCS) <Karla.Barboza@ontario.ca>
Sent: October 13, 2017 3:09 PM
To: Hanschell, Jessica
Subject: RE: Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Jessica,
No need to include Laura on the list at this time.

Thanks,
Karla

From: Hanschell, Jessica [mailto:Jessica_Hanschell@golder.com]
Sent: October-13-17 3:07 PM
To: Barboza, Karla (MTCS)
Subject: RE: Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Hi Karla,

Thank you very much for your notice to update the contact for MTCS on our distribution list.
I just wanted to clarify – would you like me to remove Laura Hatcher and add Katherine (after January 2018), Daniel and yourself? Or should I keep Laura on the list as well?

Thank you,
Jessica

Jessica Hanschell | Environmental Consultant | **Golder Associates Ltd.** | **◀ GOLDER: 50 YEARS IN OTTAWA!**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7 **◀ We Have Moved!**
T: +1 (613) 592 9600 | x3337 | **F:** +1 (613) 592 9601 | **E:** Jessica_Hanschell@golder.com | www.golder.com

La sécurité partout et avant tout / Work Safe, Home Safe

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Please consider the environment before printing this email.

From: Barboza, Karla (MTCS) [mailto:Karla.Barboza@ontario.ca]
Sent: Friday, October 13, 2017 11:55 AM
To: Hanschell, Jessica <Jessica_Hanschell@golder.com>
Cc: Hatcher, Laura (MTCS) <Laura.E.Hatcher@ontario.ca>; Edmond, Trish <Trish_Edmond@golder.com>; deMoissac, Daniel (MTCS) <Daniel.deMoissac@ontario.ca>
Subject: RE: Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Hi Jessica,

Could you please update MTCS (Culture Division) contact for this file?

- Katherine Kirzati (on leave until January 2018)
- Daniel de Moissac | Heritage Planner (Acting) | 416-314-5424 | daniel.demoissac@ontario.ca
- Karla Barboza | Team Lead - Heritage (Acting) | 416-314-7120 | karla.barboza@ontario.ca

Thanks in advance,

Karla

From: Hanschell, Jessica [mailto:Jessica_Hanschell@golder.com]

Sent: October 12, 2017 4:54 PM

To: Hatcher, Laura (MTCS)

Cc: Edmond, Trish

Subject: Notification of Upcoming Open House - Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Importance: High

Sent on behalf of Doug Froats



October 12, 2017

**Notification of Upcoming Open House
Environmental Assessment of the Proposed Expansion of
the Boyne Road Landfill Site
Township of North Dundas, Ontario**

Dear Sir/Madam,

You are invited to attend an open house, hosted by the Township of North Dundas, to discuss the development of the Terms of Reference for the Environmental Assessment (EA) of the proposed expansion of the Boyne Road Landfill. The open house will be held on **Thursday October 27th from 5 – 8 p.m. at Council Chambers in the Township Office, 636 St. Lawrence Street, Winchester.**

The attached notice describes the project background, what will be discussed at the Open House and how to maintain involvement in the project.

Please let us know if your department is interested in engaging in further discussions and providing input for this project throughout the EA process. If you have any questions, please do not hesitate to contact us at the address or fax provided on this letter or by phone at 613-774-2105 X228 or email at dfroats@northdundas.com. For further information, please visit our website at www.northdundas.com.



Sincerely,

Doug Froats
Director, Waste Management

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, Ministry of the Environment and Climate Change

Attachments: Notice of Open House #2

Jessica Hanschell | Environmental Consultant | **Golder Associates Ltd.** | ◀ **GOLDER: 50 YEARS IN OTTAWA!**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7 ◀ **We Have Moved!**
T: +1 (613) 592 9600 | x3337 | **F:** +1 (613) 592 9601 | **E:** Jessica_Hanschell@golder.com | www.golder.com

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Appendix E4 Open House 2 Materials

Environmental Assessment (EA) of the Proposed Expansion of the Boyne Road Landfill

WELCOME to Open House #2

We want your input!

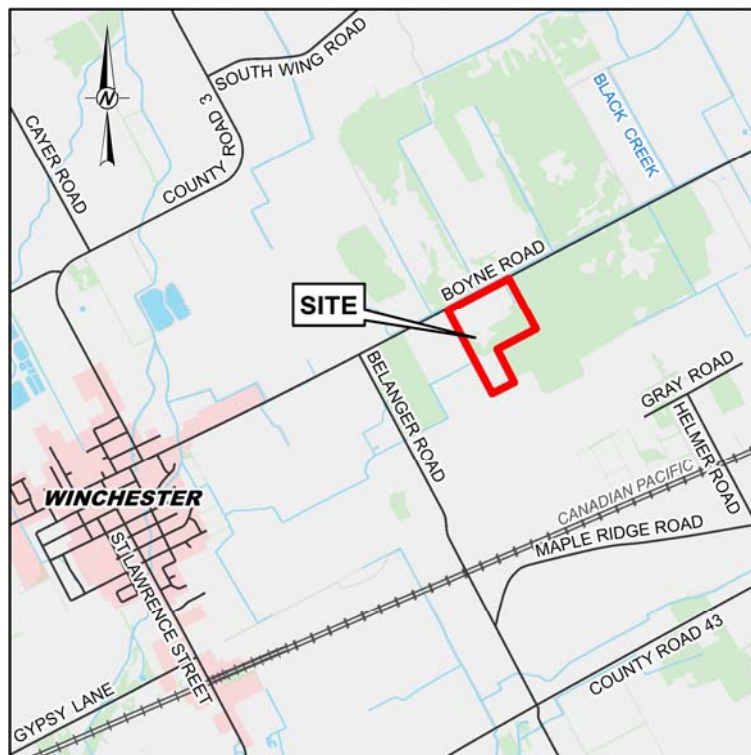
You are invited to browse the display material
and talk to our staff and consultants

Please fill out a comment form so that we can
include your questions or comments in the EA
document

Comment forms are located at the sign-in table

The Proposed Project

- The proposed project is the expansion of the Boyne Road Landfill Site located south of Boyne Road, approximately 1.5 kilometres east of the Village of Winchester.
- The EA will consider options for the expansion that are called 'Alternative Methods'.
- Existing site-specific constraints limiting opportunities for expansion include:
 - The horizontal expansion of the landfill can only occur to the south of the site based on the availability of land owned by the Township.
- The additional landfill expansion volume being considered is 480,000 cubic metres to provide disposal capacity over a 25 year planning period to provide convenient disposal for residents, institutions and businesses within the Township of North Dundas.



Proposed Expansion

- The proposed area for landfill expansion is shown below, as well as the existing Contaminant Attenuation Zone and Buffer lands.

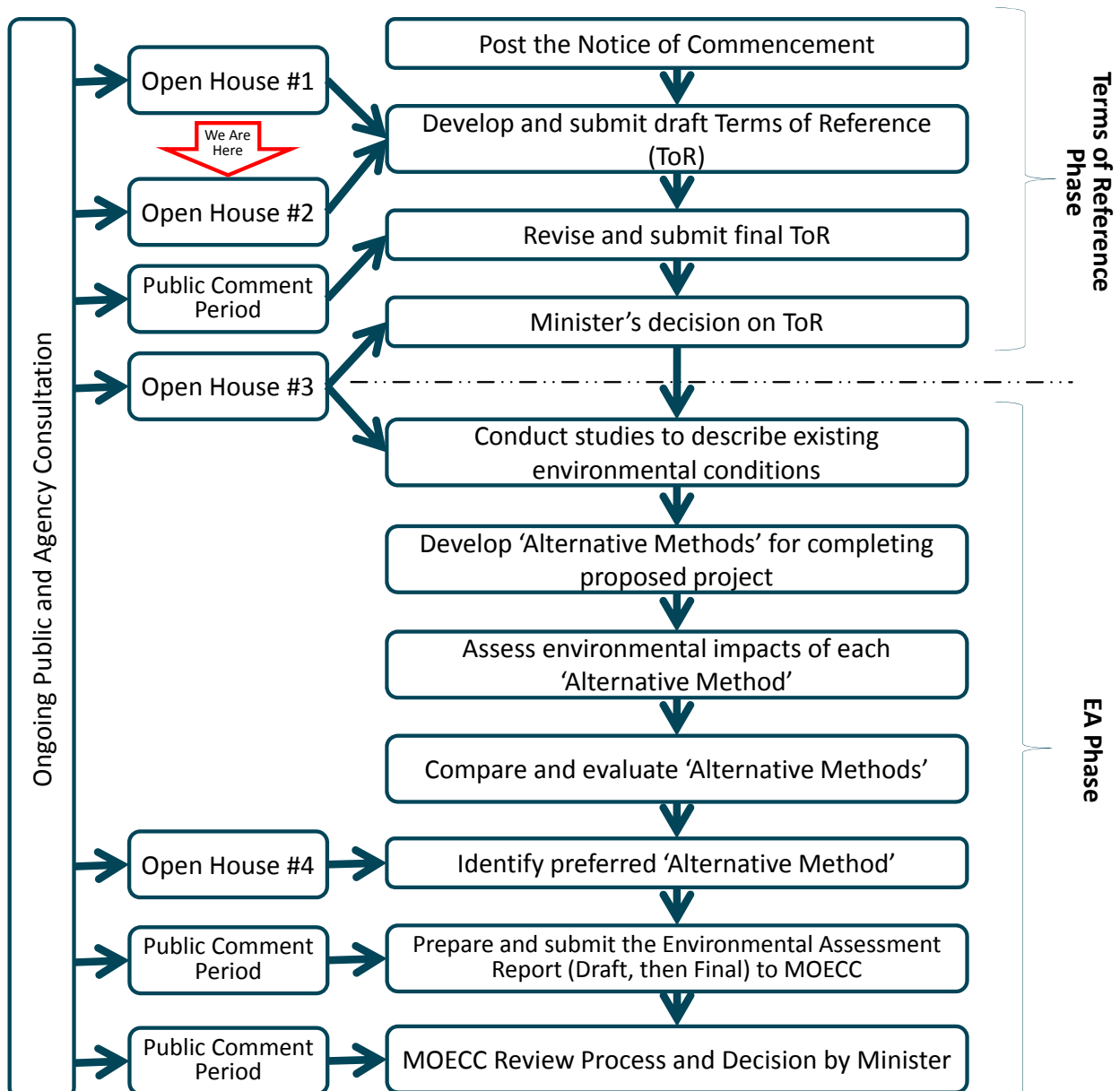


Environmental Assessment of
the Proposed Expansion of
the Boyne Road Landfill Site

EA Legislation and Process

The Waste Management Projects Regulation (O. Reg. 101/07) under the Ontario Environmental Assessment Act (EAA) designates some waste management projects that are subject to an EA

- According to Section 4 of O. Reg. 101/07, this project is subject to an individual EA under the Ontario EAA
- The EA is a planning study that assesses environmental effects, advantages and disadvantages of the proposed landfill expansion



Environmental Assessment of
the Proposed Expansion of
the Boyne Road Landfill Site

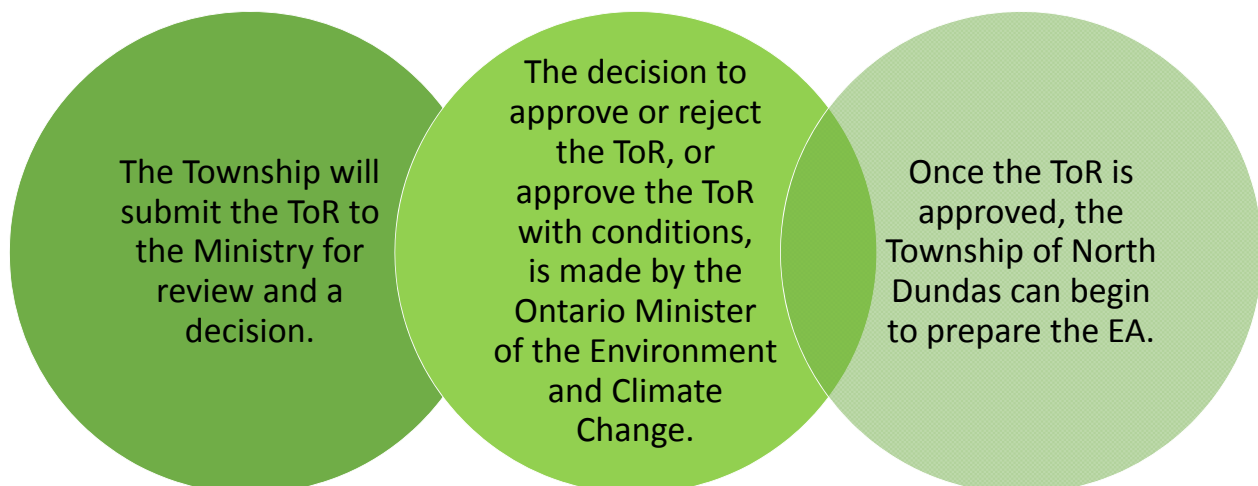
Terms of Reference

- The Terms of Reference (ToR) is the first step in the EA application process. It is a framework for the preparation and evaluation of the EA and will be drafted in consultation with local residents, businesses and other stakeholders.

The ToR identifies:

- The proponent (the Township)
- The project
- Previous studies and activities describing the rationale for the project and the alternatives considered
- Studies required to describe existing environmental conditions
- Methods to estimate and assess potential effects of the project on the environment
- 'Alternative Methods' for implementing the project and how they will be assessed
- How mitigation measures will be considered
- Consultation activities throughout the ToR preparation process and how consultation will be conducted during the EA

Approval Process:



Flexibility

- The Ministry of the Environment Code of Practice states that it is important to incorporate flexibility into the ToR to accommodate new circumstances that may arise throughout the development of the EA

ToR Submission Statement

- Section 6(2) of the EAA requires that the ToR include a submission statement indicating whether the EA will be prepared in accordance with section 6.1(2) or another regulatory process

The Township of North Dundas proposes to prepare and submit an EA to the MOECC for review and approval in accordance with the approved ToR as required by subsection 6.1(1) of the EAA and in accordance with the requirements of subsection 6.1(2) of the EAA

The subsections that will be addressed by the EA are:

- Description of purpose of undertaking (in other words the project)
- Description of undertaking
- Statement of rationale for undertaking
- Description and statement of rationale for 'Alternative Methods'
- Description of environment that will be affected
- Description of effects that will be caused
- Required actions or mitigation measures
- Evaluation of advantages and disadvantages
- Description of consultation

The exception is subsection 6.1(2)(b)(iii), which describes and provides the rationale for the 'Alternatives To' the undertaking. The 'Alternatives To' requirement will be fully addressed by the ToR

Justification for Submitting a Focused EA

- Sections of the EAA enable proponents to ‘focus’ the EA to their particular circumstances

The ‘Focused’ Approach

- The Township of North Dundas proposes to submit the ToR as a ‘focused’ EA, which means that an assessment of the ‘need’ for the project and an assessment of ‘Alternatives To’ the project will be included in the ToR phase
- The reason for this is that the Township has previously undertaken its own assessment of the ‘need’ for the project and ‘Alternatives To’ the project, including a ‘do nothing’ alternative
- Traffic studies are not proposed for the EA. The justification for excluding traffic studies from the EA is that the Boyne Road Landfill is currently approved to receive waste from the entire Township and no change in service area or increase in the rate of fill is being sought for the proposed landfill expansion
- A bird hazard assessment is not proposed for the EA. The justification is that the Ottawa airport is a sufficient distance from the Boyne Road Landfill.

Purpose and Rationale

- The purpose of the proposed undertaking, which is the subject of the EA, is to provide environmentally safe and cost-effective disposal capacity for the Township of North Dundas by expanding and continuing to operate the Boyne Road Landfill to meet the residual waste disposal needs of the Township of North Dundas for a period of approximately 25 years.

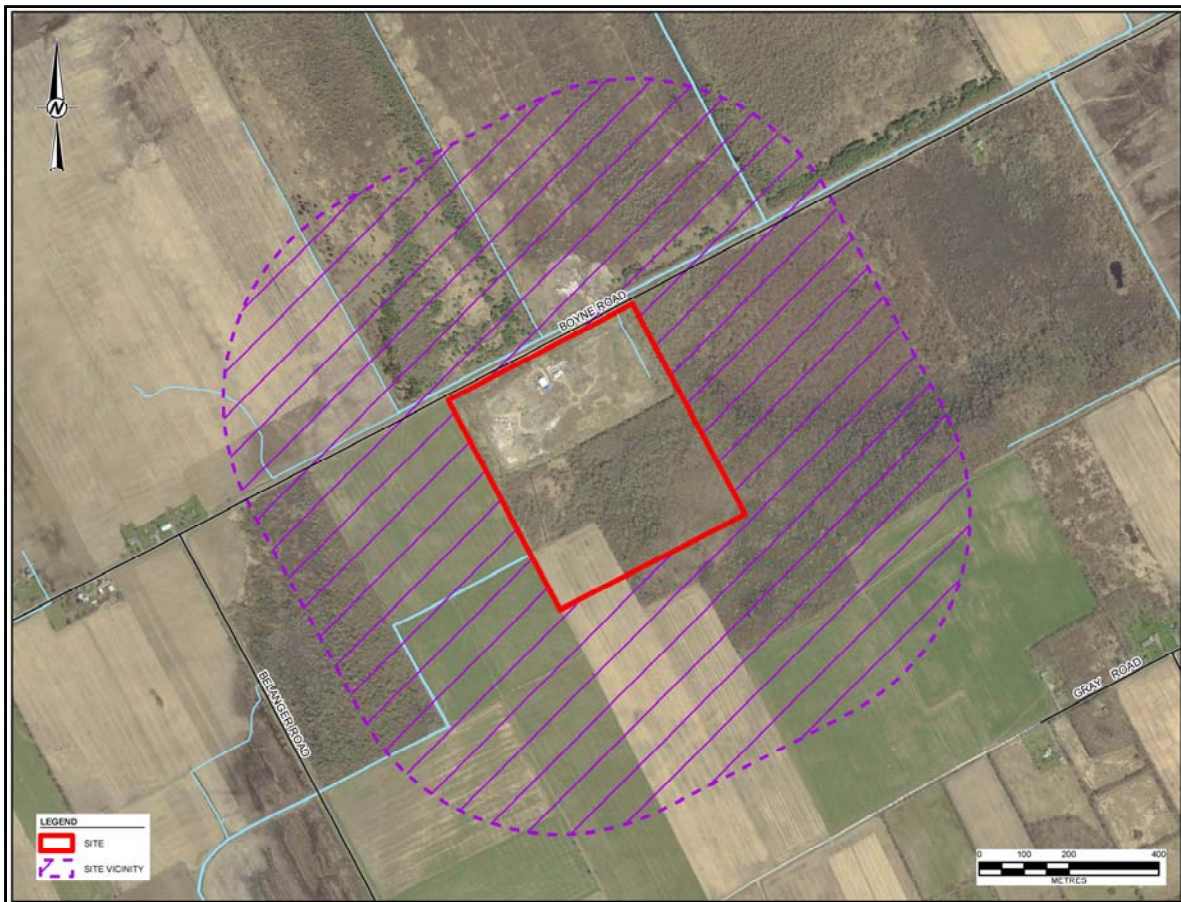
The ToR can include a preliminary description of the undertaking and the rationale for it if the information is available. It is acceptable for the rationale for the proposed undertaking to be a result of other processes or initiatives

Rationale for the Proposed Undertaking

- 2014 – the MOECC advised the Township that the approved site capacity based on the original 1971 registration of the site as a landfill had been exceeded and the site was in an overfill situation.
- The Township applied for and the MOECC issued an Emergency ECA to allow the Township to continue operating until January 2016. One of the conditions of the Emergency ECA was that the Township undertake an evaluation of waste management alternatives and identify the preferred course of action to provide long term waste management services to the Township.
- 2015 - the Township undertook an evaluation of long term waste management alternatives during which Council decided that their preferred alternative is to expand the Boyne Road Landfill site, and passed a resolution on November 10, 2015 to direct staff to commence the EA process required to obtain approval for the expansion.

EA Study Areas

- The study area is the area within which activities associated with the proposed project will occur and where potential environmental effects will be studied. Two generic study areas for the assessment have been identified.
 - Site – The lands owned by the Township of North Dundas that consist of the existing Boyne Road Landfill waste footprint and an area 300 metres to the south of the existing waste footprint
 - Site-vicinity – The lands in the vicinity of the site as described above extending 500 metres in all directions
- Each component studied will consider and modify their study area as appropriate (e.g., the surface water component will likely develop a study area that extends to capture the entire subwatershed).



Overview of Existing Conditions

Atmosphere

- Within the site-vicinity, air quality is typical of eastern Ontario with transportation and agricultural activities contributing to baseline air quality/odour and noise levels.
- Landfills can emit two types of odours: refuse odour and landfill gas odour. Refuse odour is generated by recently disposed waste, and landfill gas odour is generated during the anaerobic decomposition of organic waste material within the landfill.

Geology and Hydrogeology

- Based on subsurface conditions encountered during borehole drilling programs completed at the Site, overburden generally consists of topsoil or peat, underlain by a discontinuous silt/clay unit, and then by a silty sand/sandy silt glacial till unit. Bedrock consists of limestone interbedded with shale.
- Locally, groundwater elevations may be influenced by leachate mounding within the existing waste disposal area. Groundwater flow in the soil is generally from the disposal area towards both the north/northwest and south/southwest. No consistent direction of groundwater flow within the bedrock unit is evident.
- The existing groundwater monitoring program confirms that landfill leachate impacts on groundwater have been detected by the existing monitoring well network, but no impacts extend beyond the existing property boundary or CAZ limits.

Surface Water

- Surface water runoff from the site discharges locally into the Boyne Road roadside ditch system that flows east and discharges into Black Creek, approximately 1.5 kilometres east of the landfill site.
- Black Creek is a tributary of the East Castor River.

Overview of Existing Conditions – Continued

Biology

- The site consists of deciduous and thicket swamp, deciduous forest, deciduous hedgerows, small disturbed areas and edge habitats. The southwestern portion of the site is an agricultural row crop field.
- There is a constructed watercourse (drainage ditch) that follows the perimeter of the current landfill along the west, south and east sides, connecting at its northeast corner through a culvert with the larger naturalized roadside ditch on the north side of Boyne Road. There is also a feeder ditch that flows into this constructed watercourse from the south.

Land Use

- Within the site-vicinity, there is a mix of agricultural and vacant uses. The lands directly north and east of the site are vacant vegetated lands while there are existing agricultural fields to the west and south of the site.

Archeology

- The site is situated within the South Nation River drainage basin, which is known to have been occupied by Indigenous populations since at least the Woodland Period (950 BCE – 1550 CE). Nine archaeological sites have been registered within a nine kilometre radius of the proposed landfill expansion area, providing evidence of previous historic land use and occupation within the general project landscape. The absence of occupation sites within 300 metres of the project area may be attributed to the paucity of archaeological investigations in the area rather than a reflection of the past Indigenous demographic patterns throughout the region.
- The presence of Black Creek to the east of the proposed project footprint will trigger archaeological potential for a portion of the proposed landfill expansion area. Additional triggers that may be identified include 19th century occupation and historical transportation routes within the immediate vicinity.

Overview of Existing Conditions - Continued

Cultural Heritage

- The Euro-Canadian cultural heritage of the Township began around 1800. Settlers cleared land in the area for farming and the Township has remained primarily an agricultural area for the last two centuries.
- Villages including Chesterville, Winchester, and Winchester Springs developed and over time small family farms were combined into large specialized farms as agricultural practices changed.
- There are no formally identified cultural heritage resources in the proposed landfill expansion area.

Socio-economic

- Between December 2015 and November 2016, the Boyne Road Landfill was used to dispose of approximately 10,360 cubic metres of the Township's residual waste. The cost to operate the Boyne Road Landfill includes personnel costs, administrative expenses, materials, supplies, maintenance and purchased services. The Boyne Road Landfill costs approximately \$55,000 annually to operate (Golder, 2015), excluding capital costs.
- The landfill site is located in an area of flat lying to gently undulating farmland. There are no residences within 500 metres of the site; there are only six residences between 500 and 1,000 metres from the site. A visual assessment has never been completed at the site.

Alternative Methods of Landfill Expansion

In EA terminology, 'Alternative Methods' are different ways of doing the same activity.

- During the initial stage of the EA, different landfill expansion alternatives will be developed and described at a sufficient level of detail so that the potential effects of the expanded landfill on each environmental component can be assessed and the alternatives compared. It is expected that the following factors will be considered in design of the alternative expansion considerations:
 - Provision of buffer widths between the landfill footprint and the landfill property limits as required by O.Reg. 232/98
 - Because of the high groundwater table and the need to provide separation between it and the base of the waste, it is expected that there will be little if any excavation to shape the base of the expansion. It may be necessary to raise the base of the landfill expansion area by filling
 - The expansion geometry will provide an additional 480,000 m³ of airspace for the 2022 – 2047 planning period
 - Side slope and top slope angles will meet the requirements of O.Reg. 232/98
 - The height of the expansion, which will be governed by geotechnical and geometrical factors as well as potential visual impact from off-site vantage points
 - Stormwater management system as required by O.Reg. 232/98

Based on the previous preliminary expansion concept (Golder, 2015) and the factors described above, it is anticipated that the number of different expansion configurations to be evaluated in the EA will be limited to two or three.

Comparative Evaluation Criteria

Component	Sub-component	Indicator(s)
Atmosphere	Air quality (including greenhouse gases, odour)	Expected concentrations of air quality indicator compounds (air contaminants) at the property boundary.
	Noise	Expected noise levels beyond the project property boundary and at the discrete off-site sensitive Points of Reception (PORs).
Geology and hydrogeology	Groundwater quality	Expected groundwater concentrations in overburden and bedrock at the downgradient boundaries of the CAZ. Expected compliance with Reasonable Use Guideline B-7.
Surface Water	Surface water quality	Expected effect on surface water quality within the site-vicinity.
	Surface water quantity	Expected change in peak flows off-site (to Boyne Road ditch).
Biology	Aquatic ecosystems	Expected impacts of any change in surface water quality on aquatic biota and habitat in the off-site ditch system.
	Terrestrial ecosystems	Expected impacts on terrestrial vegetation communities, wildlife habitat and wildlife, including species at risk on-site and within the site-vicinity.
Land Use	Current and planned future land uses	Expected impacts on sensitive land uses (i.e., dwellings, churches, parks) within the site-vicinity potentially affected.
	Agricultural land and agricultural operations	Expected impacts on agricultural operations within the site-vicinity potentially affected.
Archaeology	Archaeological Resources	Expected impacts to potential archaeological resources.
Cultural Heritage	Cultural landscapes	Expected impacts to potential cultural landscapes.
	Cultural heritage resources	Expected impacts to potential cultural heritage resources.
Socio-economics	Continued service to residents	Expected total site capacity and site life.
	Landscape and views	Visibility of project features from selected receptor locations.

Proposed EA Work Plans

Component Sub-component		Description of Existing Conditions	Qualitative Evaluation of 'Alternative Methods'	Prediction of Potential Effects for the Preferred 'Alternative Method'
A t m o s p h e r e	Air quality (including greenhouse gases, odour)	<ul style="list-style-type: none"> • Compile and interpret existing Environment Canada or MOECC's air quality monitoring data and meteorological data. • Review aerial photographic mapping. • Complete air and odour emission estimates based on published emission factors and available literature, as well as a site-specific landfill gas generation model. Calculated emissions will be used as input to the air dispersion modelling assessment. 	<ul style="list-style-type: none"> • Identify the differences in air emission sources (i.e., distance and direction to nearest receptors and property boundary). • Describe the differences between 'Alternative Methods' and rank each alternative. 	<ul style="list-style-type: none"> • Execute an air quality dispersion model for the currently approved landfill and for the preferred expanded landfill. • Predict worst-case air quality and odour effects for off-site receptors based on preferred expanded landfill operations scenario including mitigation.
	Noise	<ul style="list-style-type: none"> • Compile and interpret existing data. • Review aerial photographic mapping. • Conduct baseline noise monitoring for the existing operations at the established or identified Points of Reception (PORs). 	<ul style="list-style-type: none"> • Identify the differences in proximity to the off-site sensitive PORs. • Describe the differences between 'Alternative Methods' and rank each alternative. 	<ul style="list-style-type: none"> • Consult with the MOECC to decide on the noise generating sources to be evaluated in the model that are suitable for the scale and scope of the proposed project. • Execute a single noise model for the currently approved landfill and for the preferred alternative method for the expanded landfill. • Predict worst-case noise effects for off-site receptors and vacant lots based on preferred expanded landfill operations and including relevant mitigation.

Proposed EA Work Plans - Continued

Component		Description of Existing Conditions	Qualitative Evaluation of 'Alternative Methods'	Prediction of Potential Effects for the Preferred 'Alternative Method'
Sub-component				
Geology and Hydrology	Groundwater quality	<ul style="list-style-type: none">• Utilize information available from published sources, site-specific subsurface investigation and ongoing monitoring programs to describe the geological and hydrogeological conditions.	<ul style="list-style-type: none">• Identify the differences in groundwater flow regimes or contaminant source strength.• Describe the differences between 'Alternative Methods' and rank each alternative.	<ul style="list-style-type: none">• Confirm results of existing predictive model of leachate contaminant transport for preferred alternative method for the expanded landfill including mitigation.
	Surface water quality	<ul style="list-style-type: none">• Utilize available information to describe surface water system within which the Boyne Road site is located.• Use surface water quality information from annual monitoring program within the Boyne Road ditch to summarize existing surface quality upstream and downstream of the proposed landfill expansion.	<ul style="list-style-type: none">• Identify the differences related to direct discharge to surface water.• Describe the differences between 'Alternative Methods' and rank each alternative.	<ul style="list-style-type: none">• Predict potential impacts of the proposed landfill expansion alternatives on surface water quality including mitigation.
Water		Surface water quantity	<ul style="list-style-type: none">• Estimate surface water runoff and peak flows in the area of the proposed landfill expansion under existing conditions, using design storms as set out in O. Reg. 232/98 using a hydrological model.	<ul style="list-style-type: none">• Identify the differences in landfill mound configuration and footprint.• Identify the differences in expected on-site conveyance or mitigation measures.• Describe the differences between 'Alternative Methods' and rank each alternative.

Proposed EA Work Plans - Continued

Component		Description of Existing Conditions	Qualitative Evaluation of 'Alternative Methods'	Prediction of Potential Effects for the Preferred 'Alternative Method'
Sub-component				
B i o l o g y	Aquatic ecosystems	<ul style="list-style-type: none"> • Review published information sources, including annual monitoring reports. • Complete an aquatic habitat assessment and fish community survey. • Gather information necessary to complete a Headwater Drainage Features assessment. • Compare existing habitat conditions to species at risk habitat requirements and determine the likelihood for occurrences. 	<ul style="list-style-type: none"> • Identify the differences in surface water quality or quantity that could impact aquatic biota. • Identify the differences in surface water flow inputs into the off-site ditch system. • Identify the differences in potential effects to species at risk. • Describe the differences between 'Alternative Methods' and rank each alternative. 	<ul style="list-style-type: none"> • Assess the effects of any changes in surface water quality or quantity on aquatic biota and habitat.
	Terrestrial ecosystems	<ul style="list-style-type: none"> • Review published information sources, including annual monitoring reports. • Complete field investigations to document the vegetation communities and habitat types on-site. • Compare existing habitat conditions to species at risk habitat requirements and determine the likelihood for occurrences. • Complete taxa-specific surveys for vegetation and wildlife including: 3-season botanical inventory, breeding birds, breeding amphibians, bat acoustic monitoring; crepuscular breeding birds; visual encounter surveys. 	<ul style="list-style-type: none"> • Identify the differences between 'Alternative Methods' on potential effects to vegetation communities and wildlife. • Identify the differences in potential effects to species at risk. • Describe the differences between 'Alternative Methods' and rank each alternative. 	<ul style="list-style-type: none"> • Quantify the area of land impacted. • Quantify vegetation communities and habitat types directly affected by the expansion. • Identify any indirect effects on wildlife within the site and site-vicinity. • Assess the effects of any changes in vegetation communities and habitat on terrestrial wildlife, including species at risk.

Proposed EA Work Plans - Continued

Component Sub-component		Description of Existing Conditions	Qualitative Evaluation of 'Alternative Methods'	Prediction of Potential Effects for the Preferred 'Alternative Method'
Land Use	Current and planned future land uses	<ul style="list-style-type: none"> • Compile and interpret information from the Provincial Policy Statement 2014, MOE Guideline D-4, as well as applicable Official Plans, Master Plans (including any Recreational or Cultural Master Plans), Zoning By-laws. • Collaborate with Township officials and discuss with local agricultural organizations to characterize known agricultural operations, as well as known and probable development and land uses, including any applications for approval currently submitted within the site-vicinity. 	<ul style="list-style-type: none"> • Identify differences in the proximity of the nearest sensitive land uses. • Identify differences in the potential effects on sensitive land uses within the site-vicinity. • Identify differences in certain and probable future land use within the site-vicinity. • Describe the differences between 'Alternative Methods' and rank each alternative. 	<ul style="list-style-type: none"> • Identify any known or probable incompatible land uses and sensitive land uses within the site-vicinity. • Assess the effects of the expansion on these land uses within the site-vicinity.
	Agricultural land and agricultural operations		<ul style="list-style-type: none"> • Identify differences in the proximity of the nearest agricultural operations. • Identify differences in the potential effects on agricultural operations within the site or site-vicinity. • Describe the differences between 'Alternative Methods' and rank each alternative. 	<ul style="list-style-type: none"> • Identify any known or probable agricultural operations that could be incompatible with the project within the site-vicinity. • Assess the effects of the expansion on these agricultural operations within the site-vicinity.

Proposed EA Work Plans - Continued

Component Sub-component		Description of Existing Conditions	Qualitative Evaluation of 'Alternative Methods'	Prediction of Potential Effects for the Preferred 'Alternative Method'
A r c h a e o l o g y	Archaeologic al Resources	<ul style="list-style-type: none"> • Review historic maps, atlases and aerial photographs • Review topographic maps • Field reconnaissance of the study area • Review relevant environmental, historical and archaeological literature • Review of the updated Ministry of Tourism, Culture and Sport site database • Complete Stage 1 archaeological assessment. 	<ul style="list-style-type: none"> • Identify areas of archaeological potential that may require Stage 2 field assessments. • Describe the differences between 'Alternative Methods' and rank each alternative. 	<ul style="list-style-type: none"> • Predict effects on archaeological resources.
	C H e r i t a g e Cultural landscapes Cultural heritage resources (including built heritage)	<ul style="list-style-type: none"> • Review heritage registers/inventories • Contact local municipality to inquire about known or potential cultural heritage sites on or immediately adjacent to the study area • Review historic maps, atlases and aerial photographs • Complete Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes checklist. 	<ul style="list-style-type: none"> • Identify known or potential cultural landscapes that may require Cultural Heritage Evaluation or Heritage Impact Assessment. • Describe the differences between 'Alternative Methods' and rank each alternative. 	<ul style="list-style-type: none"> • Predict potential effects on cultural landscapes.
			<ul style="list-style-type: none"> • Identify known or potential cultural heritage resources that may require Cultural Heritage Evaluation or Heritage Impact Assessment. • Describe the differences between 'Alternative Methods' and rank each alternative. 	<ul style="list-style-type: none"> • Predicted potential effects on cultural heritage resources.

Proposed EA Work Plans - Continued

Component Sub-component		Description of Existing Conditions	Qualitative Evaluation of 'Alternative Methods'	Prediction of Potential Effects for the Preferred 'Alternative Method'
S o c i o - e c o n o m i c s	Continued service to residents	<ul style="list-style-type: none"> Review the ECA and the annual monitoring report to determine the remaining site life. 	<ul style="list-style-type: none"> Identify the differences in predicted capacity. Describe the differences between 'Alternative Methods' and rank each alternative. 	<ul style="list-style-type: none"> Predicted site life and ability to provide continued service to residents.
	Landscape and views	<ul style="list-style-type: none"> Acquire digital terrain model data and digital surface model data with surface features. Review aerial photographic mapping. Conduct a GIS desktop viewshed analysis. Visual site reconnaissance of the landscape and take photographs of the site from up to 3 off-Site viewpoint locations chosen during the viewshed analysis. Geographic information and observations of viewing conditions for each photo will be recorded and compiled into an inventory of existing conditions as a baseline for the assessment of potential visual impacts. 	<ul style="list-style-type: none"> Two-dimensional line-of-site profile figures will be created as an initial qualitative way to compare the expansion alternatives. An evaluation of the visual change relative to the existing baseline conditions will be determined. Describe the differences between 'Alternative Methods' and rank each alternative. 	<ul style="list-style-type: none"> Create a 3D model of the overall preferred landfill expansion design with Visual Nature Studio (VNS) 3D visualization software from the 3D AutoCAD facility design and the surrounding digital terrain. Identify mitigation measures to avoid or minimize the potential effects of the project. Render images in VNS that use the same coordinates and horizontal field of view as that of the digital photographs taken from each viewpoint. Superimpose the VNS images into the photographs in Adobe Photoshop, extract the landfill expansion design and any mitigation features from the VNS image and pull any existing vegetation or buildings into the foreground as necessary to create an accurate portrayal.

Next Steps

Open House #3 2018

- Present Approved Terms of Reference
- Overview of the EA activities

Open House #4 2019

- Predicted effects of expansion
- Comparison of expansion alternatives
- Identification of preferred alternative

- The next steps for the Terms of Reference (ToR) are:
 - After we receive your comments, we will consider, address and incorporate your comments in the draft ToR.
 - The Township will submit the draft ToR to the Ministry in late 2017 or early 2018.
 - There will be another opportunity for you to provide comments on the ToR after it is submitted.
 - We will post information on the project website as it becomes available:

<http://northdundas.com/landfillea/>

- The Minister of the Environment and Climate Change will make a decision on the ToR.
- Once the ToR is approved, the Township can begin to prepare the EA.

How to Get Involved

Attend an Open House

- A third open house is proposed for 2018 to present the approved Terms of Reference and an overview of the EA activities
- Details of the open house will be posted in the local media and on the project website.

Visit the Project Website

<http://northdundas.com/landfillea/>



- Watch the project website for news and updates.
- Submit any comments or questions at this event in a comment sheet or via the email at the addresses provided:

Doug Froats
Director of Waste Management
636 St. Lawrence Street
P.O. Box 489
Winchester, ON K0C 2K0
Phone: 613-774-2105 ext. 228
Fax: 613-774-5699
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Trish Edmond, P.Eng.
EA Project Manager
Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7
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Fax: 613-592-9601
E-mail: trish_edmond@golder.com

Join the Distribution List

- If you would like to be notified of any project updates, please let us know and provide either an email address or your mailing address.

Environmental Assessment of
the Proposed Expansion of
the Boyne Road Landfill Site



**DEVELOPMENT OF THE TERMS OF REFERENCE OF THE ENVIRONMENTAL ASSESSMENT
OF THE PROPOSED EXPANSION OF THE BOYNE ROAD LANDFILL**

PUBLIC OPEN HOUSE #2 – OCTOBER 26, 2017, 5 – 8 P.M.

COUNCIL CHAMBERS, TOWNSHIP OFFICE, 636 ST. LAWRENCE STREET, WINCHESTER

Thank you for taking the time to provide us with your comments.

Under the Freedom of Information and Protection of Privacy Act and the Ontario 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 records files for this matter and will be released, if requested, to any person.

Would you like to be notified of future activities? If yes, please include the appropriate contact information below.

☐ **YES, BY MAIL** ☐ **YES, BY EMAIL** ☐ **NO**

NAME:

EMAIL:

ADDRESS:

PHONE NUMBER:

1. Please provide any general comments regarding this open house

2. Please provide any suggestions, comments or concerns for consideration in the development of the proposed draft Terms of Reference?

3. Do you understand the need for the proposed expansion of the Boyne Road Landfill?

4. Various aspects or components of the environment will be studied and used to assess potential effects of alternative ways that the landfill could be expanded. The work plans being considered for this EA are provided on the website and on the presentation boards.

Please tell us your thoughts on these work plans. Is there any aspect we may have missed?

If you do not have time to submit your comments this evening,
please provide them by email, mail or fax to:

Doug Froats
Director of Waste Management
Township of North Dundas
636 St. Lawrence Street
P.O. Box 489
Winchester, ON K0C 2K0
Telephone: 613-774-2105 ext. 228
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or

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Telephone: 613-592-9600
Fax: 613-592-9601
E-mail: trish_edmond@golder.com



Open House #2 – October 26, 2017

Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill SIGN IN SHEET

	Name (First, Last)	Address	Postal Code	Phone Number	Email
1	<input type="checkbox"/> Please <u>do not</u> include me in any future consultation	<input type="checkbox"/> Add me to the mail distribution list			<input type="checkbox"/> Add me to the email distribution list
2	<input type="checkbox"/> Please <u>do not</u> include me in any future consultation	<input type="checkbox"/> Add me to the mail distribution list			<input type="checkbox"/> Add me to the email distribution list
3	<input type="checkbox"/> Please <u>do not</u> include me in any future consultation	<input type="checkbox"/> Add me to the mail distribution list			<input type="checkbox"/> Add me to the email distribution list
4	<input type="checkbox"/> Please <u>do not</u> include me in any future consultation	<input type="checkbox"/> Add me to the mail distribution list			<input type="checkbox"/> Add me to the email distribution list
5	<input type="checkbox"/> Please <u>do not</u> include me in any future consultation	<input type="checkbox"/> Add me to the mail distribution list			<input type="checkbox"/> Add me to the email distribution list

APPENDIX F

Source Water Protection



MEMORANDUM

TO Paul Smolkin, Trish Edmond

DATE July 20, 2017

FROM Melissa Bunn, Brian Byerley

PROJECT No. 1648253/1.0/1.2.1

IMPLICATIONS OF SOURCE WATER PROTECTION ON PROPOSED BOYNE ROAD LANDFILL EXPANSION EA

Source Water Protection is an aspect to be considered by the Ministry of the Environment and Climate Change (MOECC) in the approval of the EA for the expansion of the Boyne Road Landfill. Golder Associates Ltd. (Golder) consulted with the MOECC Source Protection Programs Branch (MOECC SPPB), and the Raisin-South Nation Protection Region (RSNPR) throughout the Terms of Reference (ToR) phase of the project to address any potential implications and concerns. This memorandum summarizes the results of these consultations.

The current waste disposal footprint (current fill area), the proposed area within which the expanded fill area will be located, and the Landfill property are shown on Figure 1. Also shown on Figure 1 are the well head protection areas (WHPAs) and vulnerability scores for the Chesterville Water Supply (from the Source Protection Plan (RSNPA, 2016)). The Chesterville Water Supply is obtained from a high capacity overburden well located some three kilometers south-east from the Boyne Road Landfill. As shown on Figure 1, both the current and proposed expanded fill areas are located within a vulnerable area (WHPA-D) with a vulnerability score of 4. It is also noted that both the current and proposed expanded fill areas are located within an area mapped as a highly vulnerable aquifer (HVA), and that portions of both the current and proposed expanded fill areas are located within an area mapped as a significant groundwater recharge area (SGRA) with a score of 6 (Intera, 2010).

The applicable guidelines and policies for the protection of groundwater vary in relation to the scale of the data considered. Mapping of HVAs and SGRAs is conducted using regional-scale data, with lower accuracy. There are no specific guidelines or policies that apply to these areas within the local Source Protection Plan. WHPAs and vulnerability scores for a drinking water source are mapped using local scale data. Mapping of WHPAs are considered more accurate on the local scale than the more regional HVAs and SGRAs. Source water protection policies within the local Source Water Protection Plan apply to the WHPAs. Through the course of the EA process, site-specific data for the Landfill expansion will also be collected and interpreted. These site-specific data will have a higher degree of accuracy for the area surrounding the Landfill site than the information that was available for mapping of the WHPAs. This information will be used to ensure that the expanded Site will comply with the MOECC Reasonable Use Guidelines (Guideline B-7).

A letter prepared by Golder on behalf of the Township of North Dundas, addressed to the MOECC SPPB (included in Attachment 1), summarized an assessment of source water protection policies as they apply to the Landfill expansion, and concluded that the Landfill expansion is not contrary to the source protection policies under the local Source Protection Plan (RSNPR, 2016). A response to this letter was provided by the MOECC SPPB dated May 9, 2017 (also included in Attachment 1). Based on this response, the following provides an updated summary of the source protection policies as they relate to the proposed Landfill expansion:

- The current waste disposal footprint and proposed expanded fill area fall within the definition of a waste disposal site under the Clean Water Act (CWA), as per the definition under the Environmental Protection Act.
- The current waste disposal footprint and proposed expanded fill area are located within a vulnerable area (WHPA-D) with a vulnerability score of 4.



MEMORANDUM

- A review of the Source Protection Plan for the Chesterville Water Supply (RSNPR, 2016) indicates that the provincial policies WASTE-1 and WASTE-2 apply to waste disposal sites located within WHPAs A, B, and portions of C for which the vulnerability score is 8 or higher. The Source Protection Plan does not contain any policies that apply to waste disposal sites located within WHPA-D with a vulnerability score less than 8.
- The existing Site has not been identified as an existing drinking water threat in the Assessment Report for the South Nation Source Protection Area (SNSPA) (2016), and no local threats or activities have been added by the Source Protection Committee for the Chesterville Water Supply. It is therefore considered reasonable to expect that the proposed expanded Site will also not be considered a significant drinking water threat.
- A review of the Applicable Tables of Circumstances from the Assessment Report for the Chesterville Water Supply confirms that the vulnerability score within WHPA-D is below the threshold for the application of the Tables of Drinking Water Threats (accessed July 2017). No local circumstances or issues have been added by the Source Protection Committee. This review further supports the conclusion that the expanded Site will not constitute a significant drinking water threat.
- The Landfill is operated in accordance with approved monitoring and maintenance programs. Groundwater resources are protected through the implementation of the groundwater monitoring program, which is designed to ensure compliance with Guideline B-7. The same standard of protection of groundwater resources would be required by the MOECC as part of approval of the Landfill expansion, as well as during operation and post-closure of the expansion of the Site, as per O.Reg. 232/98.

In summary:

As agreed upon by the MOECC and the RSNPR, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the local Source Protection Plan (RSNPR, 2016). The Boyne Road Landfill is operated in accordance with approved monitoring and maintenance programs that protect groundwater resources in accordance with the MOECC Reasonable Use Guideline. Any Landfill expansion will also be required to comply with the Reasonable Use Guideline, as per O.Reg. 232/98. Compliance with this guideline will ensure protection of current or future drinking water sources including the Chesterville Water Supply, and other sources not explicitly addressed by the local Source Protection Plan.

It is considered that, as part of the ToR process, this fully addresses the topic of Source Water Protection as it relates to the proposed Landfill expansion, and that this topic will not need to be further assessed as part of the EA studies during the EA phase of the project.

REFERENCES

Intera Engineering Ltd (Intera), 2010. Delineation of Highly Vulnerable Aquifers in the Raisin-South Nation Source Protection Region. Technical Memorandum, May 2010.

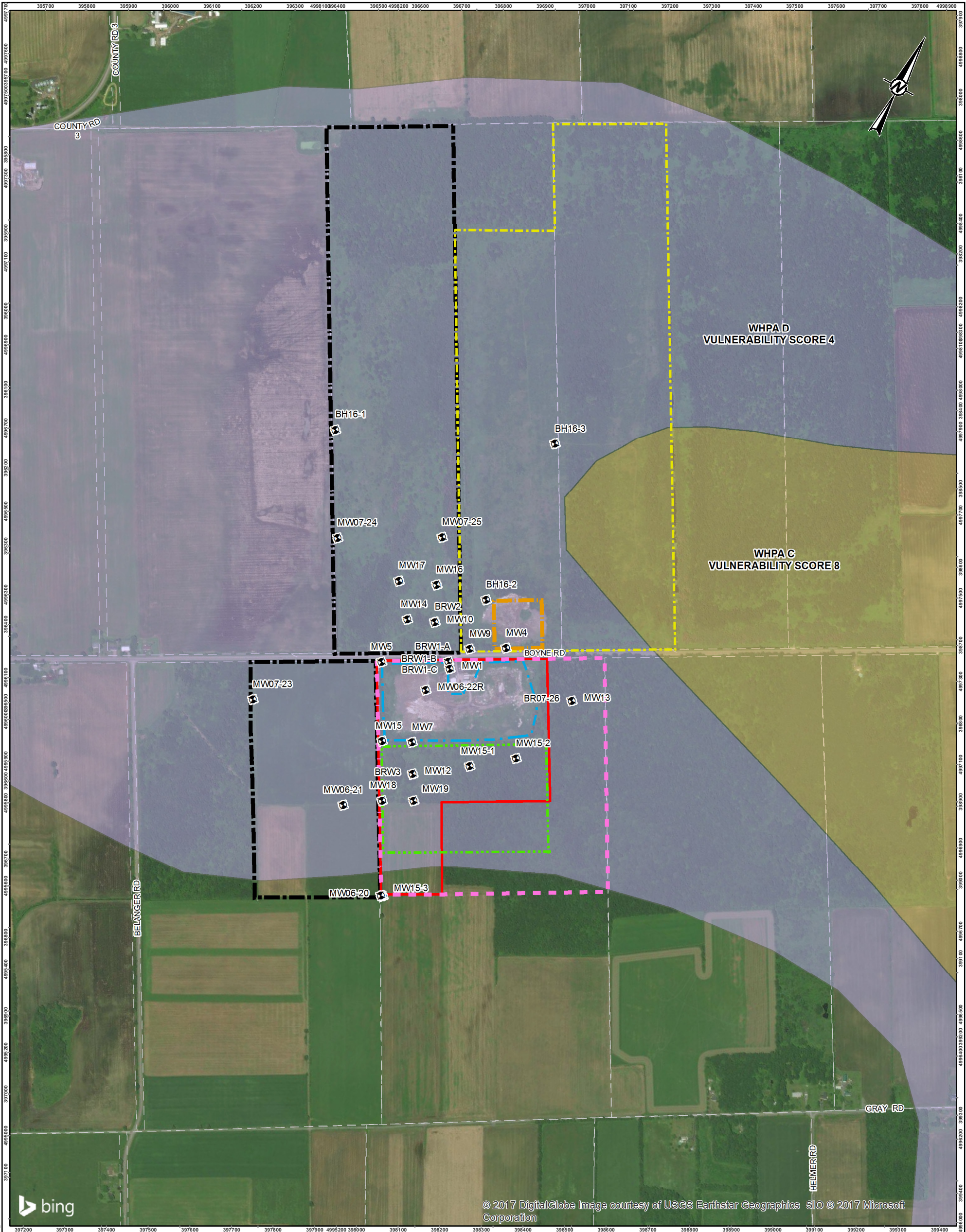
Raisin-South Nation Source Protection Region (RSNSPR), 2016. Source Protection Plan. September 2016.

South Nation Source Protection Area (SNSPA), 2016. Assessment Report. September 2017.

ATTACHMENTS

Figure 1 – Site Plan

Attachment 1 – Correspondence with the MOECC SPPB



LEGEND

APPROXIMATE BOREHOLE LOCATION

APPROXIMATE LANDFILL PROPERTY BOUNDARY

CURRENT WASTE DISPOSAL FOOTPRINT

APPROXIMATE LOCATION OF THE SNOW STORAGE FACILITY

EXISTING CONTAMINANT ATTENUATION ZONE (CAZ) EASEMENT LANDS

WHPA C- VULNERABILITY SCORE 8

WHPA D- VULNERABILITY SCORE 4

LOT FABRIC

PROPOSED AREA FOR LANDFILL EXPANSION

PROPOSED LANDFILL BOUNDARY

TOWNSHIP OWNED PROPERTY BEING ADDED AS CAZ LANDS

REFERENCES

1. BASE PLAN SUPPLIED IN ELECTRONIC FORMAT BY STANTEC CONSULTING LTD.

2. COORDINATE SYSTEM: MTM ZONE 9 NAD83.

NOTES

1. THIS FIGURE IS TO READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1648253-1.0-1.4.0

CLIENT

TOWNSHIP OF NORTH DUNDAS

PROJECT

BOYNE ROAD LANDFILL EXPANSION EA

CONSULTANT

YYYY-MM-DD	2017-03-15
PREPARED	ABD/BR
DESIGN	MB
REVIEW	MIB
APPROVED	PAS

TITLE

SITE PLAN

PROJECT NO.

1648253

PHASE

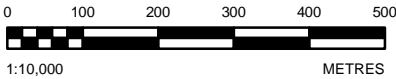
1.0-1.4.0

REV.

0

FIGURE

1



March 15, 2017

Project No. 1648253

Via email: Mary.Wooding@ontario.ca

Mary Wooding, Liaison Officer
Ministry of the Environment and Climate Change
Source Protection Implementation
Kingston Office
1259 Gardiners Rd
Kingston, ON K7P 3J6

IMPLICATIONS OF SOURCE WATER PROTECTION ON EA APPROVAL OF PROPOSED EXPANSION BOYNE ROAD LANDFILL

Dear Ms. Wooding:

The Boyne Road Landfill Site (the Site) has been operating as a licensed landfill facility since 1965. The landfill site is licensed for the disposal of domestic, commercial, and industrial solid non-hazardous waste and is the only municipal waste disposal site available for residents and businesses located in the Township of North Dundas (the Township).

In late 2014, the Ministry of the Environment and Climate Change (MOECC) determined that the Site had exceeded its approved capacity and is in an overfill situation. Therefore, in 2015 the Township completed an evaluation of long-term waste management alternatives to address the overfill. Based on the findings of this evaluation, the Township Council voted to authorize and direct Township staff to pursue approval to expand the Site. In late 2016, Golder Associates Ltd. (Golder) was retained to conduct an Environmental Assessment (EA) and undertake the associated landfill design to increase the approved site capacity for continued disposal for a 25 year planning period.

As the MOECC will consider the implications of Source Water Protection in the approval of the EA for the expansion, it is proposed that any potential concerns of the MOECC or the Raisin-South Nation Protection Region (RSNPR) regarding Source Water Protection be addressed and resolved at the Terms of Reference (ToR) phase of the project.

The current waste disposal footprint (current fill area), the proposed expanded fill area, and the landfill property are shown on Figure 1. Also shown on Figure 1 are the well head protection areas (WHPAs) and vulnerability scores for the Chesterville Water Supply (from the South Nation Source Protection Area Assessment Report (Version 1.1.0, September 1, 2016)). As shown on Figure 1, both the current and proposed expanded fill areas are located within a vulnerable area (WHPA-D) with a vulnerability score of 4.



Golder Associates Ltd.

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Tel: +1 (613) 592 9600 Fax: +1 (613) 592 9601 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

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It is Golder's opinion that while the proposed expanded landfill property does fall within an identified vulnerable area, the proposed expansion to the fill area would not constitute a significant drinking water threat for the Chesterville Water Supply, and thus would not be subject to the source protection policies under the Source Protection Plan (Raisin-South Nation Source Protection Region (Version 1.4.0, September 1, 2016)). Therefore, it is our understanding that there would be no additional requirements, in terms of the Clean Water Act (CWA), over and above those stipulated by the Environmental Protection Act (EPA). Golder's opinion is based upon the following:

- As shown on Figure 1, all of the current waste disposal footprint and proposed expanded fill area are located within WHPA-D (vulnerability score of 4). It is noted that the CWA defines a waste disposal site using the definition under Part V of the Environmental Protection Act as follows:

"(a) any land upon, into, in or through which or building or structure in which, waste is deposited, disposed of, handled, stored, transferred treated or processed, and

(b) any operation carried out or machinery or equipment used in connection with the depositing, disposal, handling, storage, transfer, treatment or processing referred to in clause (a)"

Based on this definition, the existing Site and proposed expanded Site are not significant drinking water threats.

- A review of the Source Protection Plan for the Chesterville Water Supply indicates that the provincial policies WASTE-1 and WASTE-2 apply to WHPAs A, B, and portions of C for which the vulnerability score is 8 or higher. Waste sites are not prohibited within WHPA-D.
- The existing Site has not been identified as a drinking water threat in the Assessment Report, and no local threats or activities have been added by the Source Protection Committee for the Chesterville Water Supply. It is therefore considered reasonable to expect that the proposed expanded Site will also not be considered a significant drinking water threat.
- A review of the Applicable Tables of Circumstances from the Assessment Report for the Chesterville Water Supply confirms that the vulnerability score within WHPA-D is below the threshold for the application of the Provincial Table of Circumstances for chemical and DNAPL threats. No local circumstances or issues have been added by the Source Protection Committee. This review further supports the conclusion that the expanded Site will not constitute a significant drinking water threat.
- The landfill is operated in accordance with approved monitoring and maintenance programs. Groundwater resources are protected through the implementation of the groundwater monitoring program, which is designed to ensure compliance with the MOECC Reasonable Use Guideline (Guideline B-7). The same standard of protection of groundwater resources would be required by the MOECC as part of approval of the expansion, as well as during operation and post-closure of the expansion of the Site, as per O.Reg. 232/98.

Based on the information presented above, we propose to include the following wording in the draft ToR:

As agreed upon by the MOECC and the RSNPR, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the Clean Water Act. The Boyne Road Landfill is operated in accordance with approved monitoring and maintenance programs that protect groundwater resources in accordance with the MOECC Reasonable Use Guideline. Any landfill expansion will also be required to comply with the Reasonable Use Guideline, as per. O.Reg. 232/98.

We hope that the above rationale is sufficient, and that the Source Water Protection Branch and the RSNPR concurs. Should the MOECC and/or the RSNPR disagree with the above statement, it is requested that the MOECC and/or RSNPR specify the steps that should be undertaken to demonstrate an acceptable standard of protection of groundwater resources so that they may be incorporated into the draft ToR. Your prompt attention to this matter would be appreciated.

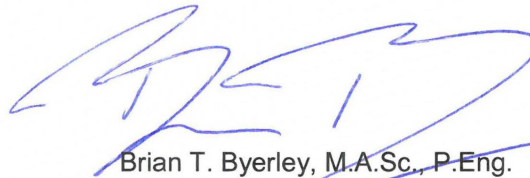
Should there be any questions, or if it would be helpful to have a conference call to discuss this matter, please do not hesitate to contact the undersigned.

Yours truly,

GOLDER ASSOCIATES LTD.



Melissa I. Bunn, Ph.D., P.Geo.
Hydrogeologist



Brian T. Byerley, M.A.Sc., P.Eng.
Senior Hydrogeologist, Principal

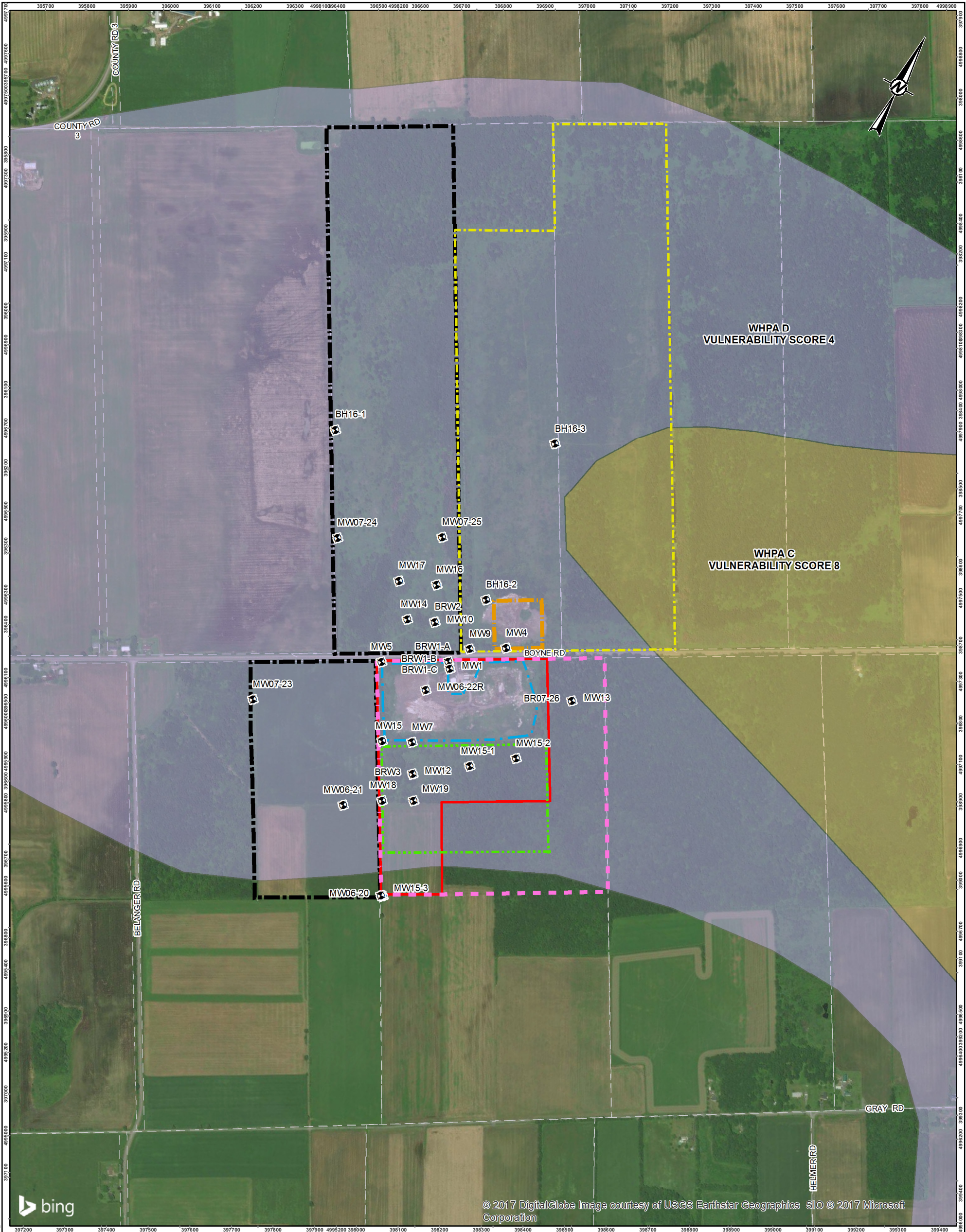


MIB/BTB/PAS/sg

\\golder.gds\gal\ottawa\active\2016\3 proj\1648253 township of north dundas boyne landfill exp ea15 - tor\5.2 swp\reporting\letter to moecc-snc\1648253-l-rev 0 - boyne rd
lf_cwa_letter_15march2017.docx

cc: Mr. Adam Sanzo, MOECC Environmental Approvals Branch
Ms. Bonnie Boyd, South Nation Conservation Authority
Mr. Doug Froats, Township of North Dundas

Attachments: Figure 1 – Site Plan



LEGEND

APPROXIMATE BOREHOLE LOCATION

APPROXIMATE LANDFILL PROPERTY BOUNDARY

CURRENT WASTE DISPOSAL FOOTPRINT

APPROXIMATE LOCATION OF THE SNOW STORAGE FACILITY

EXISTING CONTAMINANT ATTENUATION ZONE (CAZ) EASEMENT LANDS

WHPA C- VULNERABILITY SCORE 8

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LOT FABRIC

PROPOSED AREA FOR LANDFILL EXPANSION

PROPOSED LANDFILL BOUNDARY

TOWNSHIP OWNED PROPERTY BEING ADDED AS CAZ LANDS

REFERENCES

1. BASE PLAN SUPPLIED IN ELECTRONIC FORMAT BY STANTEC CONSULTING LTD.

2. COORDINATE SYSTEM: MTM ZONE 9 NAD83.

NOTES

1. THIS FIGURE IS TO READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1648253-1.0-1.4.0

CLIENT
TOWNSHIP OF NORTH DUNDAS

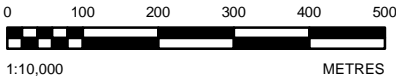
PROJECT
BOYNE ROAD LANDFILL EXPANSION EA

CONSULTANT

YYYY-MM-DD	2017-03-15
PREPARED	ABD/BR
DESIGN	MB
REVIEW	MIB
APPROVED	PAS

TITLE
SITE PLAN

PROJECT NO.	PHASE	REV.	FIGURE
1648253	1.0-1.4.0	0	1



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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM 28mm

May 9, 2017

MEMORANDUM

To: Melissa Bunn, Hydrogeologist, Golder Associates Ltd.

Re: SPPB Comments – Source Protection Considerations in the Terms of Reference for the Boyne Road Landfill Expansion EA

Thank you for notifying the Source Protection Programs Branch (SPPB) of the **Source Protection Considerations in the Terms of Reference (ToR) for the Boyne Road Landfill Expansion Environmental Assessment (EA)**. SPPB has reviewed the document and offers following comments.

SPPB would like to commend the proponent on the considerations of source protection during the early phases of the EA project.

Boyne Road Landfill Site Assessment

The existing and proposed Boyne Road Landfill Site is located in the South Nation Source Protection Area (SPA) and is therefore subject to the approved **Raisin-South Nation Source Protection Plan**. The site¹ is located in an Intake Protection Zone (IPZ)-3 with a vulnerability score of 7, a Wellhead Protection Area (WHPA)-D with a vulnerability score of 4, and a Highly Vulnerable Aquifer (HVA) and Significant Groundwater Recharge Area (SGRA) with a score of 6 (see *Appendix A*).

The consultant only identified the WHPA-D in their draft plan, so they should also be considering (and mitigating) the impacts of this project on the other vulnerable areas identified above. For instance, HVAs are areas sensitive to water quality impacts by various land uses or activities. Similarly, SGRAs are areas important for replenishing groundwater supplies and where some land uses or activities can detrimentally affect groundwater recharge. The consultant should also be aware of other drinking water systems not addressed by the source protection plan. EA projects should aim to protect sensitive hydrologic features including current or future drinking water systems not explicitly addressed in source protection plans, such as private systems – individual or clusters, and designated facilities within the meaning of O. Reg. 170/03 under the Safe Drinking Water Act – i.e., camps, schools, health care facilities, seasonal users, etc.

The activity is part of the *Waste Disposal Site* threat category. Based on the specific kind of waste at the site, it falls under the following threat subcategories: *Landfilling (Municipal Waste)* and *Landfilling (Solid Non Hazardous Industrial or Commercial)*. According to the revised March 2017 version of the Tables of Drinking Water Threats, established under the Clean Water Act, waste disposal sites may be a significant drinking water threat when located in protection zones with a high vulnerability score depending on factors such as disposal/fill area and chemicals associated with the site, as well as in certain kinds of Issue Contributing Areas (ICAs – TCE or other DNAPLs). In surface water protection zones (IPZ 1-3, WHPA-E), municipal and solid non-hazardous industrial or commercial landfilling can be a significant drinking water threat in

¹ Exact location not identified in the draft plan. Therefore, 12620 Boyne Road, Winchester, ON, was used as the site location for the assessment, based on an Internet search for the existing Boyne Road Landfill address.

locations with a vulnerability score of 9 or higher. In groundwater protection zones (WHPA A-D), the municipal and solid non-hazardous industrial or commercial landfilling can be a significant drinking threat in locations with a vulnerability score of 8 or higher. Given that the existing and proposed Boyne Road Landfill Site is not located within a surface water protection zone with a score of 9 or higher, nor within a groundwater protection zone with a score of 8 or higher, the **existing activity (i.e., waste disposal) on the site is not a significant drinking water threat**. However, it should be noted that the activity, on the portion of the site that is located in the surface water protection zone (IPZ-3) with a score of 7, is a **moderate** drinking water threat. Source protection committees focused primarily on significant threats when developing the first plans for their source protection areas and may include moderate and low drinking water threat policies in the future.

Source Protection Plan Policy Implementation

Given that the activity on the site is not a significant drinking water threat; the project is not subject to significant threat policies in the Raisin-South Nation Source Protection Plan. The project is, however, subject to moderate and low threat policies. According to the source protection plan, there are currently **no moderate and low threat policies that affect decisions under the Planning Act, 1990 and Condominium Act, 1998** (List B in the plan); and **no moderate and low threat policies that affect Prescribed Instrument** decisions (List D in the plan).

To note, even if the proposed site were to take additional types of waste (e.g., liquid industrial waste or hazardous waste), the assessment would remain the same, as in the same vulnerable scores would apply, and thus the activity would not be a significant drinking water threat. However, this is not taking into account the increased site capacity which may alter this outcome, but it is highly unlikely since the site is not located in protection zones with scores higher than 8. The source protection plan may contain policies outside of prescribed instruments for certain landfill sites and the consultant should be aware of those policies if a) they are applicable to the vulnerable areas and scores at the site and b) if the proponent decides to take additional types of waste. If this is the case, the proponent and/or the consultant should notify the ministry and consult with stakeholders.

Increased Site Capacity Assessment

Exact fill area for the existing and proposed Boyne Road Landfill site were not given in the draft plan, so the map attached to the draft plan was used to calculate the total site area (see *Appendix B*). Based on the March 2017 version of the Tables of Drinking Water Threats, in the *Waste Disposal Site* threat category and the *Landfilling (Municipal Waste)* and *Landfilling (Solid Non Hazardous Industrial or Commercial)* subcategories, a fill area less than 10 hectares in a protection zone with a score of 10, and a fill area more than 10 hectares in a protection zone with a score of 8 or higher, is a significant threat. The existing Boyne Road Landfill Site has an approximate fill area of 6.5 hectares and the proposed site has an approximate fill area of 13.05 hectares, with a total of **19.55 hectares** of fill area for the existing and proposed combined. However, given the highest vulnerability scores at the site is 7, the expansion of the activity is not a significant drinking water threat.

Suggested Revisions

1. The consultant identifies the correct definition of a waste disposal site; however, the sentence *“Based on this definition, the existing Site and proposed expanded Site are not significant drinking water threats”* is inaccurate. According to the Tables of Drinking Water Threats, “the land disposal of municipal waste within the clauses (a) and (b) if the definition of “land disposal” in section 1 of Regulation 347 (General – Waste Management) made under the *Environmental*

Protection Act falls under the definition of a waste disposal site. This is also true the industrial and commercial landfill. Rather it is the definition and interpretation outlined above combined with the Technical Rules and Tables of Drinking Water Threats established under the CWA, which outline when an activity is a significant drinking water threat. The consultant should therefore consider revisions to more accurately portray why the landfill expansion is not a significant threat.

2. "Provincial Table of Circumstances" should be referred to as "Tables of Drinking Water Threats" and the current version should be used at the time of the ToR (March 2017).

3. "...the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the Clean Water Act" should be corrected to say "...the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 **in the local Source Protection Plan**", since it is the local source protection plan, not the Clean Water Act, which established the current policies.

4. Since the project occurs in an HVA that should be made clear in the project documentation. In addition, since HVAs represent areas and aquifers sensitive to water quality impacts by various activities, including waste disposal, the consultant should consider (and mitigate) the impacts that this EA project may on other current or future drinking water sources for systems not explicitly addressed by the local source protection plan (i.e., private systems – individual or clusters, and designated facilities within the meaning of O. Reg. 170/03 under the Safe Drinking Water Act – i.e., camps, schools, health care facilities, seasonal users, etc.).

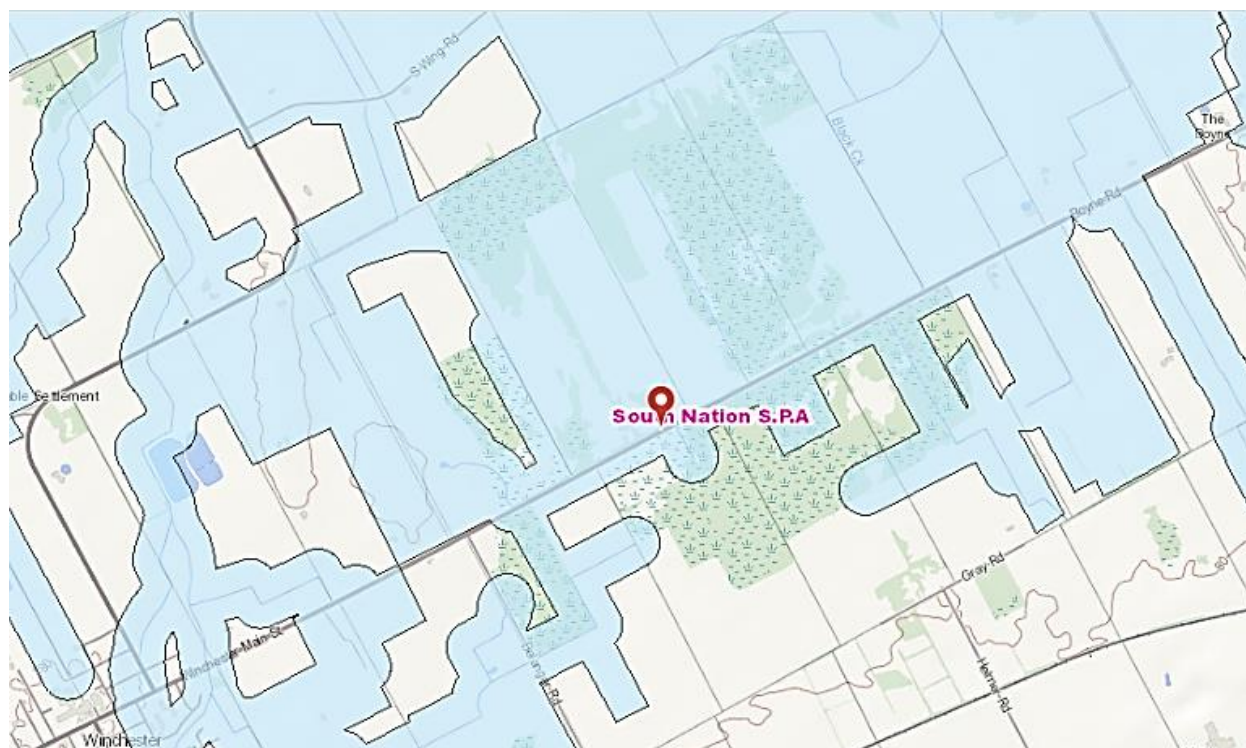
If you have any questions or concerns about the above information, please do not hesitate to contact me.

Brittany Dewsbury

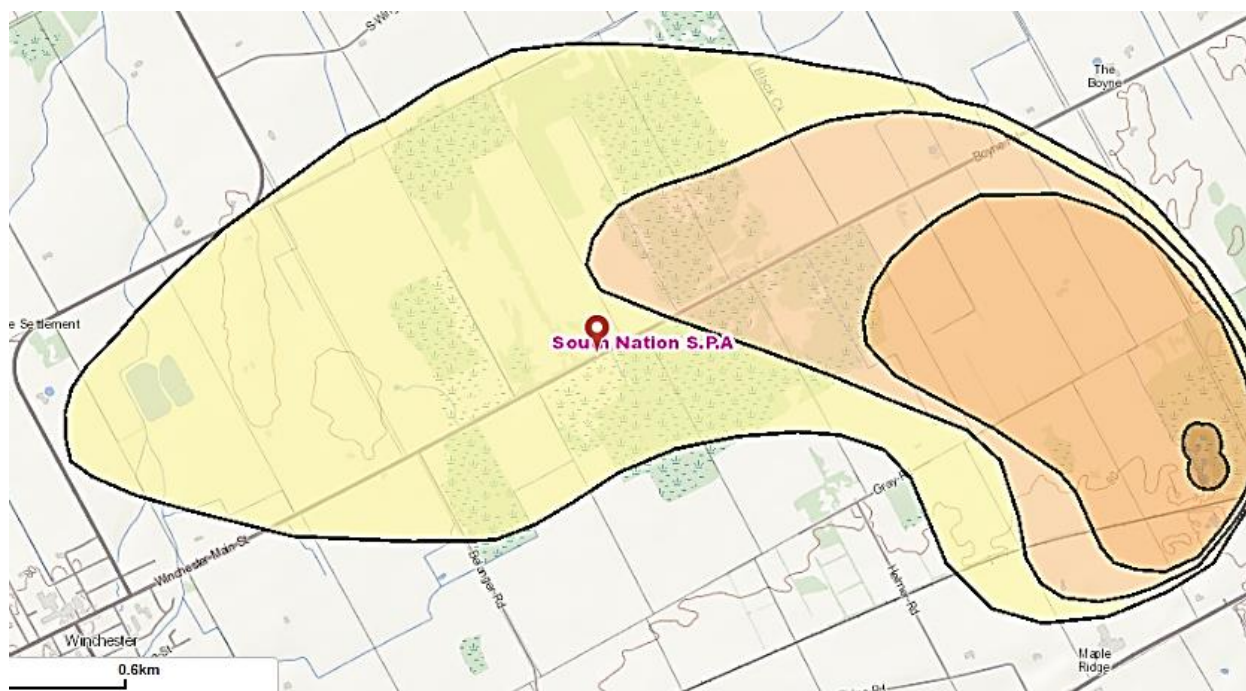
Program Analyst, Source Protection Programs Branch
416-314-1873

Cc: Debbie Scanlon, Manager, Approvals Unit, Source Protection Programs Branch
Wendy Lavender, Manager, Planning Unit, Source Protection Programs Branch
Jennifer Moulton, Senior Drinking Water Program Advisor, Approvals Unit, Source Protection Programs Branch
Mary Wooding, Liaison Officer, Implementation Unit, Source Protection Programs Branch
Adam Sanzo, Project Evaluator, Environmental Approvals Branch

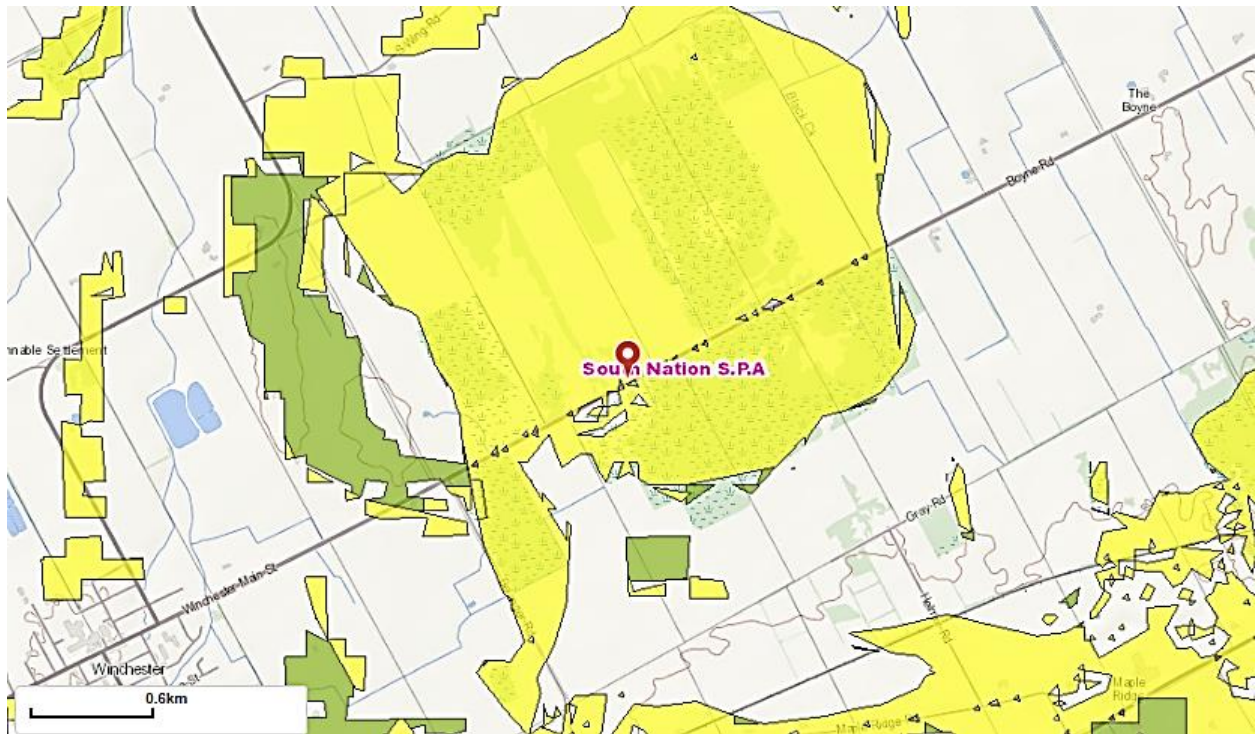
Appendix A – Boyne Road Landfill Location & Vulnerable Areas



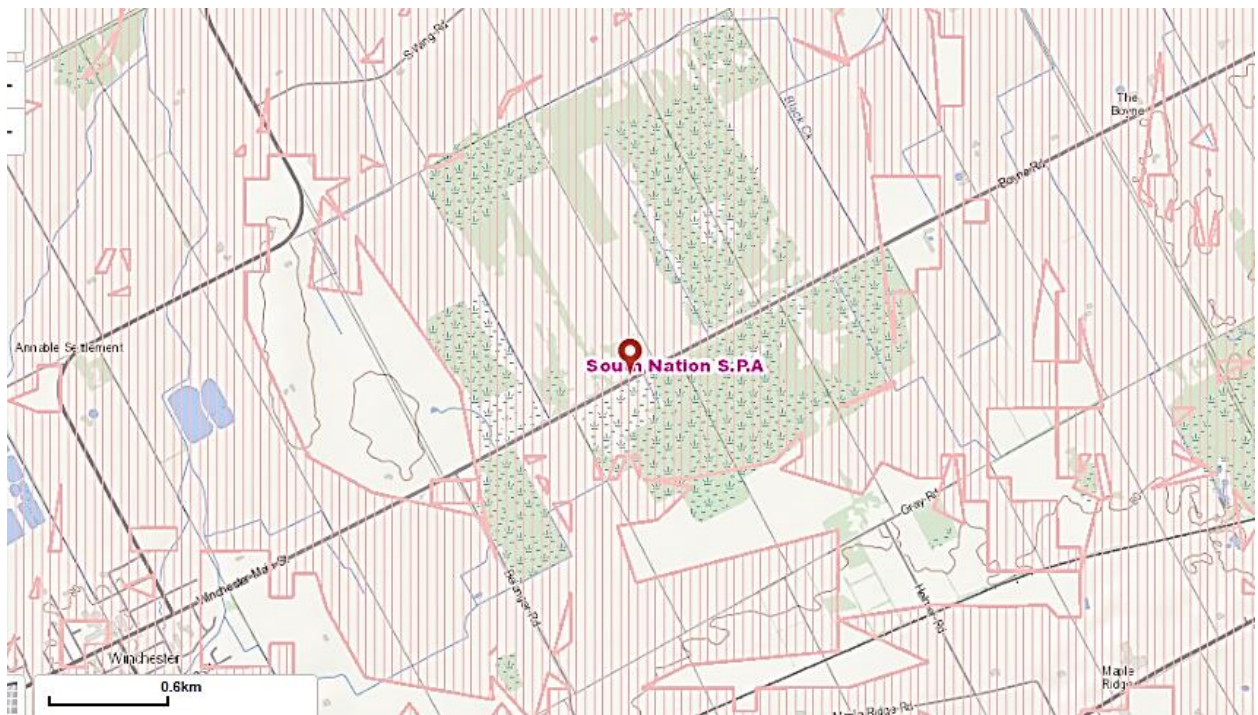
IPZ-3 score of 7



WHPA-D score of 4



SGRAs score of 6



HVAs score of 6

Latitude: 45.104943 Longitude: -75.320332
 UTM Zone: 18 Easting: 474799.03
 Northing: 4994658.20
 Upper Tier Municipality: UNITED COUNTIES OF
 STORMONT, DUNDAS AND GLENGARRY
 Lower/Single Tier Municipality: TOWNSHIP OF
 NORTH DUNDAS
 Township Concession and Lot: WINCHESTER , null
 Assessment Parcel Address: N/A
 Assessment Roll #: N/A

Source Water Protection Details for Location

Source Protection Area: South Nation
Wellhead Protection Area: D ; score is 4
Wellhead Protection Area E (GUDI): No
Intake Protection Zone: 3 ; score is 7
Issue Contributing Area: No
Significant Groundwater Recharge Area: Yes ; score is 6
Highly Vulnerable Aquifer: Yes ; score is 6
Event Based Area: No
Wellhead Protection Area Q1: No
Wellhead Protection Area Q2: No
Intake Protection Zone Q1: No

Appendix B – Fill Area Calculations

Note: the calculations are based on approximate lengths from the draft plan map, using the metre bar.

Existing site fill area:

$$325\text{m} \times 200\text{m} = 65,000 \text{ m}^2 = 6.5 \text{ hectares}$$

Proposed site fill area:

$$450\text{m} \times 290\text{m} = 130,500 \text{ m}^2 = 13.05 \text{ hectares}$$

Total fill area for existing and proposed = 6.5 hectares + 13.05 hectares = **19.55 hectares**

APPENDIX G

Draft ToR

Appendix G1 Advertisements

Appendix G2 Draft ToR Template Letters

Appendix G3 Comments Received

Appendix G1 Advertisements



Notice Requesting Review of Draft Terms of Reference Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill, Township of North Dundas

An Individual Environmental Assessment (EA) for expansion of the Boyne Road Landfill site is being undertaken by the Township of North Dundas (the Township) and requires approval under the provincial *Environmental Assessment Act*. The first phase in the EA process is preparation of a Terms of Reference (ToR).

The Township is seeking community input on the draft ToR Report of the proposed expansion of the Boyne Road Landfill. The draft ToR Report will be available for public review from April 27th, 2018 to May 25th, 2018 at the following locations:

Winchester Public Library

547 St. Lawrence ST N
2nd FLR
Winchester, ON
(613) 774-2612

Township Office

636 St. Lawrence Street
Winchester, ON
(613) 774-2105

**Counties of Stormont, Dundas
and Glengarry Office**

26 Pitt Street
Cornwall, ON
(613) 932-1515

The draft ToR will also be available for review on the project website at <http://northdundas.com/town-hall/landfill-recycling/environmental-assessments/landfillea/>

Following the above public review period, the draft ToR Report will be updated to address comments received and will be submitted to the Ontario Ministry of the Environment and Climate Change as part of the formal review process.

Interested persons are encouraged to review the draft ToR Report and provide comments by May 25th, 2018. Comments may be submitted by mail, e-mail or fax to the individuals listed below who can also respond if you have any questions or comments regarding the draft ToR Report.

Doug Froats

Director of Waste Management
Township of North Dundas
636 St. Lawrence Street, P.O. Box 489
Winchester, ON K0C 2K0
Telephone: 613-774-2105 ext. 228
Fax: 613-774-5699
E-mail: dfroats@northdundas.com

Trish Edmond, P.Eng.

EA Project Manager
Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7
Telephone: 613-592-9600 ext. 3246
Fax: 613-592-9601
E-mail: trish_edmond@golder.com

If you require any accommodations for a disability to review the draft ToR Report, contact Doug Froats at (613) 774-2105 ext. 228 to make the appropriate arrangements.

Veuillez noter qu'il vous est possible de nous communiquer vos commentaires ou vos questions sur le projet en français en les adressant à Yannick Marcerou au 613-592-9600 ext. 3318 ou par courriel à yannick_marcerou@golder.com.

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 MOECC's Freedom of Information and Privacy Coordinator at 416-327-1434.



**Notice Requesting Review
of Draft Terms of Reference
Environmental Assessment of the
Proposed Expansion of the Boyne Road
Landfill, Township of North Dundas**



An Individual Environmental Assessment (EA) for expansion of the Boyne Road Landfill site is being undertaken by the Township of North Dundas (the Township) and requires approval under the provincial Environmental Assessment Act. The first phase in the EA process is preparation of a Terms of Reference (ToR).

The Township is seeking community input on the draft ToR Report of the proposed expansion of the Boyne Road Landfill. The draft ToR Report will be available for public review from April 27th, 2018 to May 25th, 2018 at the following locations:

Winchester Public Library
547 St. Lawrence ST N
2nd Floor
Winchester, ON
(613) 774-2612

Township Office
636 St. Lawrence Street
Winchester, ON
(613) 774-2105

**Counties of Stormont, Dundas
and Glengarry Office**
26 Pitt Street
Cornwall, ON
(613) 932-1515

The draft ToR will also be available for review on the project website at <http://northdundas.com/town-hall/landfill-recycling/environmental-assessments/landfillea/>

Following the above public review period, the draft ToR Report will be updated to address comments received and will be submitted to the Ontario Ministry of the Environment and Climate Change as part of the formal review process.

Interested persons are encouraged to review the draft ToR Report and provide comments by May 25th, 2018. Comments may be submitted by mail, e-mail or fax to the individuals listed below who can also respond if you have any questions or comments regarding the draft ToR Report.

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Appendix G2 Draft ToR Template Letters



April 24, 2018

[REDACTED]
South Nation Conservation Authority
[REDACTED]

Notice Requesting Review of Draft Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill, Township of North Dundas

Dear Ms. [REDACTED]:

An Individual Environmental Assessment (EA) for expansion of the Boyne Road Landfill site is being undertaken by the Township of North Dundas (the Township) and requires approval under the provincial Environmental Assessment Act. The first phase in the EA process is preparation of a Terms of Reference (ToR).

The Township is seeking input on the draft ToR Report of the proposed expansion of the Boyne Road Landfill. As a member of the Government Review Team (GRT) your department or group has been identified as having a potential interest in this EA. Attached to this letter you will find the three volumes that make up the draft ToR.

We invite you to review and provide comments on the attached draft documents. The period during which comments on the ToR may be submitted is April 27th, 2018 to May 25th, 2018. We are requesting that comments on the attached be returned by Friday May 25th, 2018.

Following the above review period, the draft ToR Report will be updated to address comments received and will be submitted to the Ontario Ministry of the Environment and Climate Change (MOECC) as part of the formal review process.

Comments may be submitted by mail, e-mail or fax to the individuals listed below who can also respond if you have any questions or comments regarding the draft ToR Report.

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Township of North Dundas
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Telephone: 613-592-9600 ext. 3246
Fax: 613-592-9601
E-mail: trish_edmond@golder.com

Thank you for your participation in this important process.

Sincerely,

Doug Froats
Director of Waste Management
Township of North Dundas

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, MOECC

Attachments: Volumes 1, 2 and 3 of the ToR



April 24, 2018



Notice Requesting Review of Draft Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill, Township of North Dundas

Dear Mr. [REDACTED]:

An Individual Environmental Assessment (EA) for expansion of the Boyne Road Landfill site is being undertaken by the Township of North Dundas (the Township) and requires approval under the provincial Environmental Assessment Act. The first phase in the EA process is preparation of a Terms of Reference (ToR).

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Interested persons are encouraged to review the draft ToR Report and provide comments by May 25th, 2018. Comments may be submitted by mail, e-mail or fax to the individuals listed below who can also respond if you have any questions or comments regarding the draft ToR Report.

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If you require any accommodations for a disability to review the draft ToR Report, contact Doug Froats at (613) 774-2105 ext. 228 to make the appropriate arrangements.

Veuillez noter qu'il vous est possible de nous communiquer vos commentaires ou vos questions sur le projet en français en les adressant à Yannick Marcerou au 613-592-9600 ext. 3318 ou par courriel à yannick_marcerou@golder.com.

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 MOECC's Freedom of Information and Privacy Coordinator at 416-327-1434.

Thank you for your participation in this important process.

Sincerely,



Doug Froats
Director of Waste Management
Township of North Dundas

CC: Trish Edmond, Golder Associates Ltd.
Adam Sanzo, MOECC

Appendix G3 Comments Received

Draft Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Comment Received	Township of North Dundas Response	Updates to ToR
Maxime Picard, Huron-Wendat First Nation		
1. Please keep us updated when you anticipate to begin the archaeological assessment for this project. We will let you know if we have any other concerns.	Comment noted. No change to ToR required.	None
Phil Barnes, Raisin Region Conservation Authority		
<p>1. As the project manager for the Source Water Protection program in the Raisin-South Nation Source Protection Region, I am available to answer any specific questions you may have with regards to the Clean Water Act and Source Water Protection.</p> <p>2. Seeing that this project is located within the Municipality of North Dundas, I will defer comments on the Boyne Road Landfill expansion to the municipality's designated Risk Management Official – Marika Livingston. I am available to provide direct support to Marika in her review.</p> <p>3. We do have a library of technical reports which may be useful to you for download from our website: http://www.yourdrinkingwater.ca; particularly the Assessment Report, Watershed Characterization, Water Budget, and Source Protection Plan. Supporting documents and mapping that are referred to in those reports can be requested through Marika.</p>	Acknowledged.	None
Jeff Elkow, Heritage Planner, Ministry of Culture, Tourism and Sport (MTCS)		
1. Identifying Cultural Heritage Resources: While some cultural heritage resources may have already been formally identified, others may be identified through screening and evaluation. Aboriginal communities may have knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Aboriginal communities includes a discussion about known or potential cultural heritage resources that are of value to these communities. Municipal Heritage Committees, historical societies and other local heritage organizations may also have knowledge that contributes to the identification of cultural heritage resources. Please note that the property is also located within lands subject to the Algonquin Land Claim.	The various potential sources of information are acknowledged.	None. The suggested data sources will be considered when archaeological and cultural heritage studies are undertaken during the EA.

Comment Received	Township of North Dundas Response	Updates to ToR
<p>2. Archaeological Resources: It is noted in Section 6.6 of the draft Terms of Reference that a Stage 1 Archaeological Assessment will be required. The Archaeological Assessment should be undertaken as soon as possible as its results should be incorporated into the EA report, in addition to the results of any further stages of Archaeological Assessment as needed. The Archaeological Assessments should be undertaken by an archaeologist licenced under the OHA, who is responsible for submitting the report directly to MTCS for review.</p> <p>3. Built Heritage and Cultural Heritage Landscapes: The MTCS Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes should be completed to help determine whether your EA project may impact cultural heritage resources. The Clerk for the municipality can provide information on property registered or designated under the Ontario Heritage Act. Municipal Heritage Planners can also provide information that will assist you in completing the checklist.</p> <p>4. If potential or known heritage resources exist, MTCS recommends that a Heritage Impact Assessment (HIA), prepared by a qualified consultant, should be completed to assess potential project impacts. Our Ministry's Info Sheet #5: Heritage Impact Assessments and Conservation Plans outlines the scope of HIAs. Please send the HIA to MTCS and the local municipality for review, and make it available to local organizations or individuals who have expressed interest in heritage.</p> <p>5. Environmental Assessment Reporting: All technical heritage studies and their recommendations are to be addressed and incorporated into EA projects. Please advise MTCS whether any technical heritage studies will be completed for your EA project, and provide them to MTCS before issuing a Notice of Completion. If your screening has identified no known or potential cultural heritage resources, or no impacts to these resources, please include the completed checklists and supporting documentation in the EA report or file.</p>	<p>Once the preferred 'Alternative To' is identified during the EA, it is anticipated that a Stage 1 archaeological assessment will be carried out early in the EA study. One of the reasons for doing the Stage 1 early in the program is that if further Stages of assessment are required, they can then be completed within the overall proposed schedule for the EA. The archaeology assessments will be undertaken by a licensed archaeologist.</p> <p>Comment acknowledged.</p> <p>Comment acknowledged and requirements understood.</p> <p>Comment acknowledged and requirements understood.</p>	<p>None</p> <p>None</p> <p>None</p> <p>None</p>

Comment Received	Township of North Dundas Response	Updates to ToR
Stephanie Rocca, Ministry of Northern Development and Mines		
<ol style="list-style-type: none"> 1. MINING LANDS: No concerns with respect to mining lands in the area. 2. ABANDONED MINES REHABILITATION PROGRAM: No concerns from the Abandoned Mines Rehabilitation Program. 3. RESIDENT GEOLOGIST PROGRAM: The Resident Geologist Program (RGP) of the Ontario Geologist Survey has completed the following: <ol style="list-style-type: none"> 1. checked the Ministry's Mineral Deposit Inventory (MDI) for mineral occurrences: There is one known mineral occurrence within 1 km of the landfill expansion area. A documented discretionary mineral deposit site (MDI31G03SW00005) for peat is located directly north of Boyne Road in Concession 7 Lot 9 Winchester Township. Please note, a discretionary mineral occurrence is an occurrence or deposit which does not meet any of the defined criteria but is entered in the MDI database based on a subjective decision by a Ministry of Northern Development and Mines geologist. 2. Study Area is underlain by Ordovician rock units of the Gull River Formation (unit 8). This formation consists of limestone, dolostone, shale and sandstone. Drift cover in this area is generally 1 metre to 8 metres. Bedrock information is from Ontario Geological Survey Miscellaneous Release – Data MRD 219, Paleozoic Geology of Southern Ontario, OGS, 2007. Mineral aggregate resource information is from Aggregate Resources Inventory of Ontario – 2015 GIS-based compilation. 3. checked the Ministry's Assessment File Report Inventory (AFRI) database to determine whether past mineral exploration activity has been reported for the proposed area: there are no assessment files for this area. 4. used the GIS-based "Metallic Mineral Potential Estimation Tool" to get an estimation of the mineral potential of the proposed area: medium metallic mineral potential (47.5) is estimated for the area. 	Comments noted.	None

Comment Received	Township of North Dundas Response	Updates to ToR
<p>5. checked Groundwater Study 5, Karst of Southern Ontario and Manitoulin Island for identified karst hazard: there are potential karst features. "Potential Karst" is the least confident category of Karst. It is a karst region predominantly underlain by carbonate bedrock units which are a distance from present and/or paleo-drainage river systems and may be covered by overburden or younger rock units. Direct field observations could not be made by Ontario Geological Survey staff.</p>		
Marika Livingston, South Nation Conservation Authority (SNC)		
<p>1. The SNC would like to clarify a sentence (page 35 of Volume 1, paragraph one) and request that it be changed to: "As agreed upon by the MECP, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the local Source Protection Plan".</p> <p>2. SNC would like to reiterate that the MECP is the approval authority for instruments issued for waste disposal sites and was responsible for the determination of whether this proposed expansion is a significant drinking water threat.</p> <p>3. Additionally, as stated by the MECP in their correspondence, SNC agrees that due to the project area occurring in an Highly Vulnerable Aquifer that the consultant consider and mitigate the impacts that this expansion may have on other current and future drinking water sources (i.e. private systems). SNC staff recommend that this include discussion of the current and future attenuation plume.</p> <p>4. According to SNC's mapping, the proposed expansion contains areas that are protected by South Nation Conservation under Ontario Regulation 170/06. Specifically, any interference with a watercourse may require a permit from SNC and restrictions may apply.</p>	<p>Acknowledged.</p> <p>It is agreed that the MECP is the approval authority and the assessment of the potential threat to water supply associated with the Boyne Road Landfill as documented in Volume 3 Appendix F follows the guidance provided by SPPB in their memo of May 9, 2017.</p> <p>Acknowledged. If expansion of the Boyne Road Landfill is identified as the preferred 'Alternative To' during the EA process, the potential impacts of the proposed landfill expansion on groundwater will be assessed and described in the EA.</p> <p>Acknowledged.</p>	<p>The references to consultation in regard to source water protection have been modified in the proposed ToR.</p> <p>None</p> <p>None</p> <p>The section of the proposed ToR on Other Approvals has been modified to discuss other approvals in general and indicates that approvals from SNC may be required.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>5. SNC staff reviewed the draft TOR to consider various geology and hydrogeological aspects. SNC staff noted that there was very brief discussion on geology and hydrogeology. It is advised that the consultant consider expanding this significantly, incorporating any new information gathered across the site.</p>	<p>The discussion on geological and hydrogeological conditions relevant to the geographic area of the Township and to the proposed residual waste management project site will be discussed in more detail in the EA study. Details are not appropriate in the ToR as all pertinent information has not been reviewed yet.</p>	<p>None</p>
<p>6. Further, many monitoring wells have been installed across the site and it is expected that the geology and groundwater flows are defined in detail for determining potential risks to the source water supply. It has been noted that in the draft TOR that bedrock groundwater flow direction is not consistent. SNC staff advise that this be defined with some certainty to understand how to properly monitor the contaminant migration.</p>	<p>The matters related to groundwater flow and potential impacts on groundwater from an expansion of the Boyne Road Landfill will be provided in the EA study, if this expansion is identified as the preferred 'Alternative To'.</p>	<p>None</p>
<p>7. Current groundwater flow has been identified as flowing towards the north-northwest and south-southwest. Despite the physical footprint of the landfill having been defined south of Boyne Road, the contaminated groundwater footprint is much larger (likely north/northwest and south southwest). As such, it is advised that the consultant identify the current and potentially projected attenuation plumes so that concerns of source water protection are easily understood. The current documents do not provide this information for review. SNC recommends that the latest annual landfill monitoring report along with all borehole logs and geological cross sections be provided for review to determine if any potential exists for the naturally attenuating groundwater to become a threat to the municipal water source.</p>	<p>The discussion of geological conditions and current impacts from the existing Boyne Road Landfill, which form the basis for prediction of potential impacts from a landfill expansion on groundwater quality and groundwater supply, will be provided in the EA study, if this expansion is identified as the preferred 'Alternative To'.</p>	<p>None</p>
<p>8. At this time, there has been no mention of contingency plans for mitigating the migration of the attenuation plume should it be directed towards the east in WHPA-C. It is advised that the consultant and the Township of North Dundas consider developing and providing mitigation plans that incorporate geological constraints and defined procedures to manage plume migration in a sustainable fashion and notify the proper authorities.</p>	<p>Contingency plans for mitigation of potential effects on off-site groundwater will be developed and described in the EA, and in further detail within the supporting documents for the subsequent ECA amendment application, if Boyne Road Landfill expansion is identified as the preferred 'Alternative To'.</p>	<p>None</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>9. It has also been noted that the Vars-Winchester Esker complex is located towards the south and east of the proposed landfill expansion. This esker represents a significant water supply source extending to the Ottawa river. It is advised that the consultant consider any potential risk associated with this Esker and that it be defined and detailed as it currently represents a significant fresh water supply source for the region and might become even more so in the future.</p>	<p>The Township is aware of the presence, location and characteristics of the Vars-Winchester Esker complex, as well as both its current use as water supply and potential for future use. The Esker will be described in the EA based on published reports. The potential impacts on off-site groundwater resources from the Boyne Road Landfill expansion, including the Esker, will be provided in the EA study, if Boyne Road Landfill expansion is identified as the preferred 'Alternative To'.</p>	<p>None</p>
<p>10. In conclusion, it is expected that due to the numerous geological variations around the landfill and the absence of a liner that the geology and hydrogeology of the site will be discussed in detail in future reports and submissions.</p>	<p>Agreed. The geology and hydrogeology will be described and discussed in the EA study report, as well as form part of the basis for a subsequent application for ECA amendment, if Boyne Road Landfill expansion is identified as the preferred 'Alternative To'.</p>	<p>None</p>
<p>11. SNC staff have noted that a wetland is being proposed to control stormwater runoff (quality and quantity) from the site. The design should meet all pertinent sections of the MECP's Stormwater Management Planning and Design Manual (2003). If the design constraints cannot be met, adequate rationale must be provided.</p>	<p>Acknowledged.</p>	<p>None</p>
<p>12. It has also been noted that the areas used when calculating pre and post development runoff, as well as quality control, are not the same. The total area should be consistent when calculating runoff volumes and quality controls. The runoff coefficients and percentage of imperviousness for post development appear to be low. SNC staff recommend that adequate rationale be provided to best represent on-site, post development conditions.</p>	<p>Acknowledged. It is noted that the conceptual stormwater management analysis presented in Appendix B of SD#1 in ToR Volume 2 was for the purpose of evaluation of waste management alternatives only.</p>	<p>None</p>
<p>13. In addition, as identified above, the report should provide a monitoring plan and a contingency plan. The following questions are examples of the things to address. What are the triggers for action and what steps are to be taken? How will leachate be prevented from entering the stormwater management wetland?</p>	<p>Acknowledged. The development of monitoring programs and contingency measures as part of the EA is described in Section 11.2 of the draft ToR. As appropriate depending on the preferred 'Alternative To' identified during the EA, these will be further developed as part of a subsequent ECA amendment application process.</p>	<p>None</p>

Comment Received	Township of North Dundas Response	Updates to ToR
14. Finally, as identified in the preceding section, SNC staff request that the last monitoring report submitted as per ECA requirements be provided for review.	If Boyne Road Landfill expansion is identified as the preferred 'Alternative To', the most recent Annual Monitoring and Operations Report will be considered in the EA and can be provided to SNC.	None
<p>15. In reference to section 7.6 of Volume 1, SNC understands that the included workplans are preliminary and only provide a general scope of the studies to be undertaken. SNC trusts that we will be circulated on the detailed workplans throughout the EA process so that additional comments can be provided to help the proponent ensure the technical studies are appropriate.</p> <p>16. In reference to Table 7.6-1 of Volume 1, it is noted that existing surface water quality upstream and downstream of the proposed expansion will be summarized based on information from the annual monitoring program within the Boyne Road ditch. Without knowing the number of monitoring sites and locations, SNC staff do not have enough information to determine if the existing information will be adequate to properly describe the existing conditions of the watercourse. SNC staff welcome and request to have the opportunity to review as detailed methodologies for the studies as developed.</p> <p>17. In reference to Table 7.6-1, the only indicator listed for Aquatic Ecosystems is the expected impacts on the off-site ditch system. SNC staff recommend that the on-site watercourses also be considered, as they will most likely be impacted by the expansion. For example, the watercourse running along the perimeter of the existing landfill may need to be relocated as part of the expansion which would require a permit under the Conservation Authorities Act (as identified in preceding sections) and a review under the Fisheries Act. The process for the permit and review would be more straightforward if the appropriate studies were already completed as part of the EA.</p>	<p>SNC will be consulted regarding the preparation of workplan details for study components relevant to SNC's mandate, such that the methodology to be used is agreed upon in advance of doing the work.</p> <p>Comment is acknowledged; refer to response to comment 14 above.</p> <p>As it relates to expansion of the Boyne Road Landfill, the indicator for Aquatic Ecosystems relates to potential impacts on aquatic biota due to changes in surface water quality due to a proposed landfill expansion. The on-site water courses would also be considered as part of the inventory and characterization of existing conditions. Proposed alterations to existing surface water features to achieve an expanded landfill development plan would be identified, as will the permitting requirements for their alteration and/or relocation. This is referred to in the Other Approvals section of the ToR. In response to the last sentence regarding permitting, the background studies will be completed as part of the EA and SNC and DFO will be contacted as required.</p>	<p>None</p> <p>None</p> <p>None. The section of the proposed ToR on Other Approvals has been modified to discuss other approvals in general and indicates that approvals from SNC may be required.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
Mary Dillon, Ministry of Natural Resources and Forestry (MNRF)		
1. Surveys should be completed to confirm the presence or absence of the species at risk identified potentially occurring at the site, or in proximity to it, unless the proposed development will not have any impact on a species or its habitat;	Acknowledged. This will be considered for the preferred 'Alternative To'.	None
2. The adjacent woodland is considered Significant Woodland by the MNRF based on a desktop modelling exercise. The status of the woodland should be confirmed in the Official Plan for SD&G, on the ground, or both;	Acknowledged. If expansion of the Boyne Road Landfill is identified as the preferred 'Alternative To' during the EA, this will be considered.	None
3. Potential or candidate Significant Wildlife Habitats that may be impacted by the proposed expansion should be confirmed through the EA. The no negative impact test applies;	Acknowledged. If expansion of the Boyne Road Landfill is identified as the preferred 'Alternative To' during the EA, this will be considered.	None
4. There is an Evaluated-non PSW wetland at/adjacent to the landfill site. The status of this wetland (and any other unevaluated wetland at the site) should be reconsidered given the findings of the survey work at the site, especially the SAR survey work;	Acknowledged. If expansion of the Boyne Road Landfill is identified as the preferred 'Alternative To' during the EA, this will be considered.	None
5. Risks associated with wildland fire should also be considered.	Acknowledged. The MNRF guide to assess wildfire risk will be used, as appropriate for the identified preferred 'Alternative To'.	None
Pierre Godbout, Senior Noise Engineer, Environmental Assessment and Permissions Branch, Ministry of the Environment, Conservation and Parks (MECP)		
The following noise study items should be considered when preparing the Environmental Assessment for the Proposed Expansion of the Boyne Road EA: 1. Noise limits shall comply with the MECP noise limits in the publications and guidelines provided in the letter dated May 31, 2018. 2. Noise report shall be prepared in accordance with the publications provided the letter dated May 31, 2018.	Comments noted.	None

Comment Received	Township of North Dundas Response	Updates to ToR
Dickson Odame-Osafo, Senior Engineer, Approval Services Unit, Environmental Approvals Branch, Ministry of the Environment, Conservation and Parks (MECP)		
1. The ToR notes in section 3.4 (Description of the proposed project) that the expansion's design approach will be a site-specific natural attenuation. Please, ensure that groundwater model meets the Reasonable Use Guideline (RUG) at the existing site boundary. Where the RUG condition is not met at the existing limits of the site, the expansion application under Part V, EPA, must be accompanied, among other requirements, by proof of available attenuation lands acquired to be part of the Site, or contaminant attenuation zone (CAZ) agreement signed with a third party land owner downgradient.	The reviewer's comment regarding EA study requirements to demonstrate that the predicted effects of the expanded landfill on groundwater resources meet the Reasonable Use Guideline requirements is acknowledged and will be assessed if expansion of the Boyne Road Landfill is identified as the preferred 'Alternative To' during the EA. It is also understood that the proponent will have to demonstrate that they have acquired, or have obtained an option to purchase, any required additional adjacent attenuation lands.	None
2. The ToR described that "Landfills can emit two types of odours: refuse odour and landfill gas odour" and presents an overview of how these nuisance/adverse environmental conditions will be addressed. The ToR and EA should specify and include in the mitigation measures, leachate odours and its other impacts resulting from bleedout/seepage from the landfill.	If expansion of the Boyne Road Landfill is identified as the preferred 'Alternative To' during the EA, required mitigation measures for the expansion alternative concepts (that would include odour controls as required) will be described, considered in the assessment of potential effects and comparison of alternatives, refined as required and then considered in the determination of net effects from the preferred expansion alternative.	None
3. The ToR notes in sections 6.3/6.4 that the Site consists of deciduous and thicket swamps located near the existing landfill footprint, with portions being flooded and forming vernal pools during spring. The EA should investigate and assess whether these pools may be defined as lake and subject and describe how the preferred alternative complies with the " <i>Adam's Mine Lake Act</i> ", which prohibits the disposal of waste into a lake.	Vernal pools are temporary pools of water caused by pooling of surface water. As it relates to the Boyne Road Landfill, the vernal pools mentioned in the general description of existing natural environment conditions are intermittent in nature and are very small in footprint in comparison to the 1 ha size used to define a "lake" in Section 27 of the EPA as related to the Adams Mine Lake Act. The area that would be proposed for a landfill expansion would not contravene this Act. It is not considered necessary to describe conformance with the Adams Mine Lake Act in the ToR, nor in the EA.	None

Comment Received	Township of North Dundas Response	Updates to ToR
<p>Other Provincial Approval Requirements The document lists other approval requirements/processes to be sought, as necessary, for the undertaking, including approvals under the <i>Environmental Protection Act</i> (EPA), <i>Ontario Water Resources Act</i>, <i>Conservation Authorities Act</i> and <i>Planning Act</i>.</p> <p>Comments:</p> <p>4. In the application for approval of the waste management facilities under the EPA, all applicable legislation and the Ministry's policies, standards and guidelines, such as Reasonable Use Policy (Guideline B-7), Provincial Water Quality Objectives (PWQO), etc., should be considered for effective groundwater and surface water protection, as appropriate to the geologic conditions, and provision should be made for adequate buffer/contaminant attenuation Zone. As well, the EPA application should address all impacts associated with waste management facilities operations, including but not limited to nuisance control and management programs, particularly odour, dust, litter, visual, vector/vermin, etc., and contingencies. The impact on public health and safety should be evaluated.</p>	<p>Comments related to the requirements for an application to amend the ECA for a landfill expansion are acknowledged and understood, and if relevant for the preferred 'Alternative To' identified during the EA, would be addressed during the preparation of supporting documents at the ECA application stage following approval of the EA.</p>	<p>None</p>

Draft Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

December 2018 Comments

Comment Received	Township of North Dundas Response	Updates to ToR
Adam Sanzo, Project Officer, Environmental Assessment and Permissions Branch Ministry of the Environment, Conservation and Parks		
General Comments		
1. Please ensure that the Ministry of the Environment, Conservation and Parks is referenced throughout the ToR. As of June 29, 2018, the ministry is no longer the Ministry of the Environment and Climate Change.	Understood. It is noted that the term Ministry of the Environment, Conservation and Parks has been used throughout the ToR. The only time the Ministry of the Environment and Climate Change has been mentioned is as it relates to references to documents written when the Ministry used this name and this is appropriate when citing these documents.	No change.
Executive Summary		
1. Only site closure and site expansion were considered in detail as alternatives to the undertaking in the Waste Management Alternatives Evaluation (Golder 2005). Additional diversion, “do nothing”, alternative land fill sites and alternative waste management technologies (e.g. incineration) are missing as alternatives to the undertaking and must be considered. Also consultation would be required on this study. The ministry needs to understand the municipality’s justification for not looking at other alternatives.	<p>The previous 2015 assessment of alternatives did consider both an alternative (new) landfill site and alternative technologies; these were assessed at a high level and screened out of the more detailed assessment of alternatives because it was concluded they were not reasonable for the Township to pursue. The Do Nothing alternative was not considered in the 2015 assessment.</p> <p>The Ministry’s stated expectation that all municipal proponents undertake waste management master planning studies, including consultation that would fulfill the EA process requirements, is not the reality of the situation for many municipalities in Ontario, and especially not for smaller municipalities.</p>	The proposed ToR has been changed to assess Alternatives To during the EA process, including the Do Nothing alternative.

Comment Received	Township of North Dundas Response	Updates to ToR
<p>If proceeding under subsections 6(2)(c) and 6.1(3), proponents have to demonstrate in the ToR that they have carried out a previous planning and decision – making process (e.g. Master Plan) that has included consultation with interested persons on the criteria and assessment to identify a more limited scope of alternatives to. Proponents have to fully document that process. In general, it is the ministry’s expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation. The ministry needs to understand the municipality’s justification for not looking at other alternatives to and this should be documented in the ToR.</p>		
<p>2. On pg. iii, there is reference to W12A Landfill site, the City of London’s Residual Waste Disposal Strategy and that alternatives to the undertaking will not be part of the environmental assessment (EA). In addition to the wrong project being referenced, is there a Waste Management Strategy/Plan for the Township of North Dundas (and the United Counties of Stormont, Dundas and Glengarry)? There is insufficient rationale for focusing the EA on the evaluation of alternative methods.</p>	<p>The reference to ‘City of London’ was incorrect. There is not a Waste Management Plan for the Township or the County; the County Master Plan study that was undertaken in the late 1980s/early 1990s was not completed and was abandoned more than 25 years ago. Waste management planning and responsibility within the County is at the lower tier municipality level.</p>	<p>The proposed ToR has been changed to assess Alternatives To during the EA process.</p>
<p>3. On pg. iii, the document states that the landfill expansion design approach will be a site-specific natural attenuation design, and that the expansion will be a vertical or horizontal expansion or a combination. A preferred landfill expansion and leachate method has already been chosen before the EA commencement. The determination of a preferred undertaking is only supposed to happen during the EA and not during the ToR stage. Consideration of alternatives methods should be included in the EA including alternative landfill sites.</p>	<p>The Draft ToR did not select a preferred landfill expansion method; rather it described the physical and regulatory factors that would be considered in developing ‘Alternative Methods’ of landfill expansion.</p>	<p>The proposed ToR has been changed to assess ‘Alternatives To’ during the EA process. As such, all discussion of ‘Alternative Methods’ specific to expansion of the Boyne Road Landfill has been removed.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>4. On pg. v, there is a misinterpretation of the delegation of the duty to consult letter. The letter from the ministry delegates the procedural aspects of the Crown's duty to consult to the proponent and provides the communities that should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that could be adversely affected by the undertaking based on preliminary information. The list is subject to change. It does not mean that there is no immediate duty to consult with other communities. It is expected that the proponent will identify, engage and provide information to any Indigenous community that may have an interest or may be affected by the proposed undertaking and confirm their interest in the EA study.</p>	<p>Understood.</p>	<p>In the proposed ToR, the wording has been modified in the Executive Summary and in Section 7.1.4 to address this comment.</p>
<p>5. On pg. vi., please remove language that the ministry and Raisin-South Nation Protection Region (RSNPR) agree that the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat. The assessment of impacts to source water, highly vulnerable aquifers, and wellhead protection zones should be conducted during the EA for the different alternative methods and not at the ToR stage.</p>	<p>Comment acknowledged.</p>	<p>The wording has been removed from the proposed ToR.</p>
<p>Section 1.0: Introduction</p>		
<p>1. Fig 1.2-1 appears to be incorrect. The approved landfill site is much smaller. Please verify actual landfill site boundaries. The figure differs from the key map in public notifications (e.g. website, Notice of Commencement of ToR).</p>	<p>Figure 1.2-1 is not incorrect, as per the legend it does not show the approved landfill but the property boundary of the landfill site. The key map in public notifications shows the approved landfill fill area. Figure 1.2-1 has been updated in the proposed ToR.</p>	<p>Figure 1.2-1 has been replaced by Figure 1.0-1 and now shows whole of the Township of North Dundas and the location of the Boyne Road Landfill property boundary as well as the approved landfill fill area.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>2. The purpose of the undertaking is too specific. The purpose should be broader. For example: an EA is being initiated by the municipality to secure additional waste disposal capacity for the next 25 years since the Boyne Road Landfill is being overfilled. The ToR should include a commitment to confirm the problem. Section 5.2.3 of the ToR Code of Practice states that the proponent will refine the purpose statement if required as it proceeds through the planning process and present the final purpose statement in the EA (if the ToR is approved). A project is defined after a preferred undertaking has been identified during the EA.</p>	<p>Understood.</p>	<p>The purpose of the undertaking has been moved to Section 1.3 of the proposed ToR and updated to be less specific and the ToR now includes a commitment to confirm the problem in the EA.</p>
<p>3. On page 4, there is a statement that that the landfill is generally in compliance with provincial surface water management policies and that the results of the site monitoring programs show favourable performance of the Boyne Road Landfill which provides technical justification for expanding the landfill. A discussion of compliance with the existing waste and industrial sewage Environmental Compliance Approvals (ECA) is needed as part of the description of existing conditions (site operations). Additional justification as to why the Boyne Road Landfill site is suitable for expansion and is in an environmentally favourable location is needed.</p>	<p>Understood. This ToR is no longer being focused on landfill expansion and hence additional justification as to why the Boyne Road Landfill site is suitable for expansion and is in an environmentally favourable location is no longer needed in this ToR.</p>	<p>This text has been moved to Section 1.2 of the proposed ToR. The sentence indicating that the favourable performance of the Boyne Road Landfill with respect to monitoring results provides justification for expanding the landfill has been removed. A discussion of the landfill's compliance with its waste ECA has been added. It is noted that the existing Boyne Road Landfill does not have an industrial sewage ECA.</p>
<p>4. An additional description of the site components, site entrance and haul routes are needed in Section 1.3 (Site Description and Waste Management Activities). A figure of the municipal boundaries and service area should also be included in the ToR. This level of detail is expected when describing any landfill sites and the study area.</p>	<p>Understood. Additional information has been added to the proposed ToR as indicated in the next column with the exception of haul routes. As this is no longer an EA of the expansion of the existing landfill, this level of detail is out of context at this stage in the ToR.</p>	<p>Section 1.3 of the draft ToR has been moved to Section 1.2 of the proposed ToR. A description of the site components has been added as well as a description of the existing landfill service area.</p>
<p>5. Fig 1.3-1 could be modified to better match the text in Section 1.3 and indicate property ownership more clearly. The approved landfill site as per the waste ECA should be clearly delineated.</p>	<p>Understood.</p>	<p>Figure 1.3-1 has changed to Figure 1.2-1 in the proposed ToR. Minor changes to the figure have been made to improve clarity.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
Section 2.0: The EA Process		
<p>1. Section 2.1 states that on February 23, 2017, the Township initiated the EA process by publishing a Notice of Commencement of the EA in local newspapers.</p> <p>This should read that a Notice of Commencement of the ToR was posted, not EA</p>	Understood.	This change was made in the proposed ToR.
<p>2. Section 2.4 references both subsections 6.1(3) and 6.1(2) of the EAA. The proponent states that requirement 6.1(2)(d) will not be carried out. The ToR must clearly state how the EA will be prepared as per subsections 6(2)(a) and 6.1(2), or subsections 6(2)(c) and 6.1(3). Requirement 6.1(2)(d) cannot be removed as it requires the evaluation of advantages and disadvantages of alternative methods of carrying out the undertaking.</p>	Understood.	Section 2.4 has been updated to include requirements of Section 6.1(2)(d) of the EAA.
<p>3. Section 2.4 mentions a confirmatory screening assessment of "Alternatives To". Section 5.2.5 of the ToR Code of Practice provides a number of questions that proponents can use to determine a reasonable range of alternatives to consider during the EA process. These questions are designed to help determine an initial list of alternatives that could be feasible for addressing the problem statement. These questions are not intended to be used as a means by which alternatives are compared and assessed.</p>	Understood.	The proposed ToR no longer contains a confirmatory screening assessment of 'Alternatives To', nor is it mentioned in Section 2.4.

Comment Received	Township of North Dundas Response	Updates to ToR
<p>Section 5.2.5 of the ToR Code of Practice also mentions that proponents may conduct an initial screening of alternatives before or at the ToR stage. This formal screening must include considerations of key environmental factors such as the potential impacts to the natural environment, potential cultural and socio-economic impacts and impacts to Indigenous and Treaty rights. Consultation on scoping down alternatives to the undertaking should be carried out. The detailed screening results should be included in the supporting documentation of the ToR. A screening serves to scope alternatives to the undertaking and is not intended to confirm a preferred undertaking. Typically, it is the ministry's expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation.</p>		
<p>4. Section 2.5 (Justification for Submitting a Focused EA) mentions that a study of short-term and long-term waste management alternatives for a 25-year planning horizon was completed in 2015 which can be considered as an assessment of "Alternatives To". "Do Nothing" or "Additional Waste Diversion" or "Alternative Waste Management Technologies" or "Establish New Landfill Site in the Township" alternatives were not considered in this study.</p> <p>A reasonable range of alternatives to the undertaking compared to the do nothing alternative were not considered in the 2015 study. Therefore, this study does not meet EAA requirements.</p> <p>A rationale must be provided for not considering other landfill sites. Also, to focus the EA on one landfill site, sufficient justification is required to demonstrate why the expansion of the Boyne Road Landfill is the best/only option based on environmental factors (e.g. previous planning study, good soil, proximity to highway, close to waste transfer station, etc.).</p>	<p>Understood. The Township of North Dundas is no longer submitting a focused EA.</p>	<p>Section 2.5 of the draft ToR has been removed.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>Section 5.2.5 of the ToR Code of Practice states that the examination of one alternative compared against the do nothing alternative is acceptable as long as justification is provided for doing so and consultation on that justification has been or will be carried out. However, proponents take a risk that the alternative may not be acceptable to the Minister when a decision is made, and that the proposal may not go ahead.</p>		
<p>5. On page 10, it is stated that traffic studies are not proposed for the EA. However, the impacts of the continued use of haul roads over a 25-year period need to be assessed. Information on the number of trucks that visit the site should also be included in the description of existing conditions. It is inappropriate to use the ToR to screen out consideration of environmental effects</p>	<p>Understood. The proposed EA is no longer focused and so it is now inappropriate to remove any potential environmental effects until the preferred 'Alternative To' is identified and understood.</p>	<p>Section 2.5 of the draft ToR has been removed.</p>
<p>6. Section 2.6 (Flexibility of the ToR to Accommodate New Circumstances) of the ToR mentions that circumstances could arise under which minor modifications are necessary or desirable.</p> <p>As per section 5.2.10 of the ToR Codes of Practice, it is important for proponents to be aware that circumstances may arise that could prevent commitments in the ToR from being met. As the ToR cannot be amended after it has been approved it is important to incorporate flexibility into the ToR to accommodate circumstances that could prevent commitments in the ToR from being met. If it is anticipated that that a potential change to a commitment in a ToR may be required, it should be clearly explained in the ToR that the commitment may be subject to further refinement. It should also be clearly identified how the potential refinement will be considered during the EA.</p> <p>To provide this flexibility, the proponent should indicate that the information provided in the ToR sets out the minimum requirements for the EA, state that the information is preliminary, and will be confirmed during the preparation of the EA in consultation with the public, Indigenous communities and government agencies.</p>	<p>Understood.</p> <p>At the time of preparing the ToR, it is not anticipated that a change to a commitment made in the ToR will be required.</p>	<p>Section 2.6 of the draft ToR is now Section 2.5 in the proposed ToR and has been revised to include the necessary description of flexibility in the ToR.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
Section 3.0: Rationale and Description of the Undertaking		
<p>1. Throughout this section, there are repeated references to an Emergency ECA. Please note that the ministry issues amendments to waste ECAs for the continued use of the landfill site. Emergency ECA is the informal reference to these types of waste ECA amendments for small volumetric expansions under 40,000 m³. Please consider using this language for the amendment of the ECA.</p>	<p>Acknowledged.</p>	<p>The language and description of amendments to the ECA to allow for extension of approval for continued landfilling, otherwise known as an Emergency ECA (terminology used by the MECP Approvals Branch), has been updated.</p>
<p>2. Section 3.1 mentions that the initiatives made by the province towards achieving zero-waste are likely to first be implemented in urban centres. Section 3.2 mentions that the Strategy for a Waste-Free Ontario is to shift from waste disposal to waste diversion and make waste management a carbon neutral industry.</p> <p>The Waste-Free Ontario Strategy objectives apply Province-wide and speaks to:</p> <ul style="list-style-type: none"> ○ Minimizing the need for landfills; ○ Ensuring that existing landfills are well managed; ○ Reducing greenhouse gas emissions; and, ○ Improving awareness of diversion opportunities to help drive larger volumes of IC&I waste diversion. <p>Please modify the text in the ToR to reflect these objectives.</p>	<p>Understood. However, the more recent “A Made-In-Ontario Environmental Plan”, by MECP dated November 2018, explicitly indicates that food and organic waste minimization initiatives are for larger cities and it also recognizes there will be a need for landfills in the future as waste reduction plans are being implemented.</p>	<p>Section 3.1 of the proposed ToR has been updated to reflect the newer, more definitive actions outlined in “A Made-In-Ontario Environmental Plan”.</p>
<p>3. Historical waste disposal rates (residential versus IC&I) and waste diversion rates should be included in subsection 3.2 (Problem and Opportunity Assessment) as well as an explanation of why the existing landfill is in an overfill situation. Please include a breakdown of historical disposal rates for residential and IC&I waste and diversion rates where available. What is the existing estimated per capita waste generation rate? The description of existing landfill condition and status should outline the cause for the landfill overfill situation.</p>	<p>Understood. It is noted that some of the requested information, like the breakdown of residential versus IC&I waste disposal rates at the existing landfill is not available.</p>	<p>Section 3.1 of the proposed ToR has been amended to include more details on why the existing landfill is in an overfill situation. Section 3.2 of the proposed ToR has been amended to include an estimated per capita waste generation rate based on the airspace typically consumed annually at the landfill.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>4. Waste projections in Table 3.2-3 do not distinguish between residential and IC&I waste disposal rates and assume a 25% diversion rate from 2017 to 2047. Rationale should be provided as to why the waste diversion rate will be the same over the 25-year planning period.</p> <p>The waste projections presented in Section 3.0 could be further broken down to show predicted residential and IC&I annual disposal volumes and anticipated diversion rates. Waste projections should also be consistent with population and employment projections in official planning documents.</p>	<p>There is no information available to distinguish between residential and IC&I generation, disposal or diversion. There is an overall estimated Township diversion rate of about 25%. Other than the use of typical published waste generation statistics, the types of information on waste generation and diversion in North Dundas is not available. As such, it is preferable and considered reasonable to rely on the factual information that is available, i.e., annual landfill airspace consumption on which to base the projections of future residual waste management requirements.</p>	<p>Additional rationale for maintaining a 25% diversion rate for waste projections over the planning period has been added to Section 3.2 of the proposed ToR.</p> <p>Population projections from official planning documents has been added and used in waste projections in the proposed ToR.</p>
<p>5. Section 3.4 states the proposed project is the vertical or horizontal expansion of the Boyne Road Landfill and that the design approach will be a site-specific natural attenuation design. As previously mentioned, the preferred undertaking (the project) has been determined at the ToR stage which is inconsistent with EA requirements. The EA should look at alternatives to the undertaking and alternative methods for carrying out the preferred undertaking. Technologies are examined at the alternative methods stage. The design concept for the preferred undertaking is presented near the end of the EA process.</p>	<p>Understood.</p>	<p>Section 3.4 of the proposed ToR has been revised such that the description of the proposed project is now very general.</p>
Section 4.0: Assessment of 'Alternatives To' to the Project		
<p>1. Section 4.1 indicates that the Waste Management Alternatives Evaluation (Golder 2015) considered technical, approvability and financial factors and that only Alternatives 1 and 2 were considered. Alternatives 3 (new landfill site) and 4 (alternative waste management technologies) were not expected to be financially viable and were therefore not assessed in detail.</p>	<p>Understood.</p>	<p>Section 4.1 of the proposed ToR has been updated and the Waste Management Alternatives Evaluation is no longer being used as a basis to focus the EA.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>The Waste Management Alternatives Evaluation (Golder 2015) is not a study similar to an EA as it does not look at the advantages and disadvantages of a reasonable range of alternatives and their effects on all aspects of the environment (including physical, natural, social, economic, etc). It also does not make comparisons against the do nothing benchmark alternative. An update to this section and accompanying Waste Management Alternatives Evaluation will need to be undertaken if the proponent expects to use this document to justify any focussing of alternatives to the undertaking.</p>		
<p>2. Section 4.1 indicates that preliminary studies were undertaken to assess the potential impacts of expanding the landfill to the south and continuing to operate as a natural attenuation site as it is the only economically viable approach. As discussed, the assessment of different designs for the landfill (methods) and the impact assessment of the preferred undertaking (the project) should be completed during the EA. The development and evaluation of leachate management, landfill gas and stormwater management alternatives should be completed at the alternative methods stage.</p>	<p>Understood.</p>	<p>All discussion of 'Alternatives Methods' for expanding the existing landfill have been removed from the proposed ToR.</p>
<p>3. On page 20, there is the statement "The MOECC technical staff considered that the approach taken was appropriate and that the results indicated that an expanded natural attenuation site with the proposed contaminant zone (CAZ) easements could be expected to satisfy the Reasonable Use Guideline (MOECC, 1994) requirements with an acceptable level of confidence." Ministry staff should be consulted during the EA for input on alternative methods. There is also no supporting correspondence for this statement in the Record of Consultation.</p>	<p>It is correct that there is no supporting correspondence for this statement, as it was made during a meeting with the Technical Support Unit during preparation of the 2015 Waste Management Alternatives Evaluation study. That said, the statement does accurately reflect the outcome of that meeting.</p>	<p>The wording on this matter has been modified in Section 4.1 of the proposed ToR in response to this comment.</p>
<p>4. Section 4.2 mentions that the "Do Nothing alternative is not an alternative that could even be considered by the Township as it has basic requirements to provide municipal services and infrastructure for its ratepayers.</p>	<p>Understood.</p>	<p>The Do Nothing Alternative has been included in the proposed ToR.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>The do nothing alternative is not intended to be considered as a reasonable way in which the problem or opportunity that prompted the initiation of the EA process can be addressed. It represents the benchmark against which the advantages and disadvantages of the alternatives being considered can be measured and compared.</p> <p>In the evaluation of alternatives to the undertaking, the do nothing alternative acts as a starting point for the comparison of the consequences and benefits of each alternative. The do nothing alternative cannot be screened out and has to be carried throughout the EA as a benchmark. The do nothing alternative needs to be clearly defined and carried throughout the EA process. For more information on the do nothing alternative please see section 5.2.5 of the Code of Practice.</p>		
<p>5. In Section 4.2 (Confirmatory Assessment of “Alternatives To”) the questions for identifying a reasonable range of alternatives in the ministry’s Code of Practice were used to determine a preferred alternative.</p> <p>Section 5.2.5 of the Code of Practice, states that proponents may identify a reasonable range of alternatives for consideration during the EA and offers a set of questions that can be used by proponents when determining the alternatives to be considered during the EA. These questions are designed to aid proponents in identifying an initial range of alternatives that may be within a proponent’s ability to implement, and that should be carried forward for further consideration during the EA process. These questions are for determining the range of alternatives that can address the problem or opportunity that prompted the initiation of the EA process. It should be noted that these questions are not intended to be used as a process by which the consideration of alternatives is limited to only those alternatives that are preferred by a proponent or as a process by which a preferred alternative is determined.</p>	Understood.	<p>Within Section 4.2 of the proposed ToR, the confirmatory assessment of ‘Alternatives To’ has been removed. The proposed ToR has been changed to assess ‘Alternatives To’ during the EA process.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>Proponents may conduct an initial screening of alternatives before or at the ToR stage. This formal screening must include considerations of key environmental factors such as the potential impacts to the natural environment, potential cultural and socio-economic impacts and impacts to Indigenous and Treaty rights. Consultation on scoping alternatives to the undertaking should be carried out. The detailed screening results should be included in the supporting documentation appended to the ToR. Typically, it is the ministry's expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation.</p>		
Section 5.0 Description and Rationale for “Alternative Methods”		
<p>1. What is the rationale for not considering other landfill sites in the EA. it is recommended that this is considered in the EA consistent with the code of practice.</p>	<p>Understood. However, it is noted that considering other landfill sites would be an 'Alternative To' and not an 'Alternative Method' as described in Section 5.0 of the draft ToR.</p>	<p>The proposed ToR has been updated to include an evaluation of other landfill sites as one of the 'Alternatives To' as described in Section 4.2.</p>
<p>2. Section 5.1 discusses alternative leachate treatment options and states that it is expected that the only economically viable approach for the Township is to continue operating an expanded Boyne Road Landfill as a natural attenuation site. The identification and evaluation of alternative leachate management methods should be completed in the EA.</p>	<p>Understood.</p>	<p>Discussion of alternative leachate treatment options has been removed from Section 5.1 of the proposed ToR.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>3. It is stated that based on the previous preliminary expansion concept (Golder, 2015) and the factors described in Section 5.1 that it is anticipated that the number of different expansion configurations to be evaluated in the EA be limited to two or three. The ToR should describe how a reasonable range of alternative methods will be identified. It appears that an expansion concept (preferred undertaking and project) has already been developed. Variations to a conceptual design are alternative methods that should be considered in the EA.</p>	<p>Understood.</p>	<p>The proposed ToR has been updated such that it is no longer focussed and the preferred 'Alternative To' will be determined in the EA. As such 'Alternative Methods' for expansion of the Boyne Road Landfill are no longer described in the proposed ToR. 'Alternative Methods' are described in a general way in Section 5.0 of the proposed ToR.</p>
<p>Section 6.0: Description of Existing Environmental Conditions</p>		
<p>1. Section 6.0 provides a high-level description of the existing environment but does not provide information sources or indicate the geographic area considered when describing the different environmental components. There is limited information on background air quality under subsection 6.1 (Atmosphere). Subsection 6.5 (Land Use) should also indicate the locations of the nearest residences. A more detailed description of the built environment (infrastructure) at and surrounding the landfill site and any other landfill sites should also be included. Focussed assessments require more detail than unfocussed assessments.</p> <p>Subsection 5.2.6 of the Code of Practice indicates that the ToR should include a list and brief explanation of the tools (for example, studies, tests, surveys, and mapping) that will be used to provide a more detailed description of the environment in the EA. The list does not preclude the proponent from conducting additional or more detailed studies as part of the EA. If the proponent intends to use or may potentially use existing studies, this intention must be clearly stated in the ToR.</p>	<p>Acknowledged.</p>	<p>Because of the changed approach to conduct an unfocussed EA and assess 'Alternatives To' in the EA, Section 6.0 of the proposed ToR provides a general description of existing environmental conditions in the regional study area, which is the Township of North Dundas.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>2. There is a statement “As agreed upon by the MOECC and the RSNPR, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the local Source Protection Plan (RSNPR, 2016). The ministry’s Source Protection Programs Branch provided comments on May 9, 2017 which notes that the site is located in: an Intake Protection Zone (IPZ-3) with a vulnerability score of 7; a Highly Vulnerable Aquifer; and, a Significant Groundwater Recharge Area with a score of 6. This existing information could be incorporated into the ToR. Alternatively, the proponent could just indicate that source protection will be considered in the EA.</p> <p>Assessment of potential impacts should be conducted at the EA stage. Please remove wording that suggests that government review agencies agree that landfill expansion would not be a significant drinking water threat as information presented at the ToR stage is considered preliminary and the impact assessment is not completed.</p>	<p>Acknowledged. Because this consultation did take place as part of the ToR preparation, it is considered appropriate to include a summary and the correspondence in the ToR documentation, with modifications to address the MECP comment.</p>	<p>The description of this pre-consultation with MECP SPPB and RSNPR has been moved to Section 4.1 of the proposed ToR; the wording requested by MECP to be removed has been removed and it is stated that the issue of source water protection will be further assessed in the EA, as appropriate.</p>
<p>3. In Section 6.8, it is noted that the operating costs for the landfill are \$55,000. Please provide clarification on this figure as it is not understood if this is a yearly cost, as the document it refers to is the 2015 Golder Report and the timeframe is from December 2015 and November 2016.</p>	<p>Acknowledged.</p>	<p>This section has been removed from the proposed ToR.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
Section 7.0: EA Methodology		
<p>1. In this section, the study areas proposed: “site” and “site-vicinity” are limiting in scope.</p> <p>Section 5.2.6 of the Code of Practice states that the study area is where all activities associated with the undertaking will occur and where potential environmental effects will be studied. At the ToR stage, the off-site study area should be broad enough to cover all direct and indirect environmental effects that could result from a waste management proposal, as well as large enough to accommodate the identification of a reasonable range of alternatives to the undertaking. For municipalities, this is typically the municipal boundaries or service area.</p> <p>If the ToR proposes a focused EA to study a particular landfill site, the preliminary off-site study area should be large enough to encompass all waste management related activities. The ministry’s guideline D-4 Land Use On or Near Landfills and Dumps applies to all proposals for land use on or near any landfill or dump which contains municipal solid waste, industrial solid waste and/or sewage sludge. It mentions that the ministry considers the most significant contaminant discharges and visual problems to be normally within 500 metres of the perimeter of a fill area and that the ministry recommends this distance be used as a study area for land use proposals. However, this 500 metre buffer area is not appropriate for an EA study area because for the purposes of an EA, the study area should be broad enough to cover all direct and indirect environmental effects that result from landfilling activities such as waste hauling and off-site leachate disposal.</p>	<p>Acknowledged.</p>	<p>In the proposed ToR, section 7.0 has been deleted and a general description of EA assessment and evaluation methodology has been incorporated into Section 5.1. This includes the identification of appropriate study areas during the EA, depending on the preferred ‘Alternative To’ identified.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>Subsection 4.2.3 of the Code of Practice for Preparing and Reviewing Environmental Assessments in Ontario (January 2014) mentions that if the study area defined in the approved ToR was preliminary, the proponent will finalize its boundaries before describing the environment. The study area for each component of the environment may vary depending on the alternatives and the geographic extent of the potential environmental effects. It is important to clearly describe how and why the boundaries of the overall study area and the study area(s) for each environmental component were chosen to ensure that direct and indirect effects are assessed.</p> <p>At the alternative methods evaluation stage, study areas for individual impact assessments for each technical discipline can vary; however, the overall EA study area should encompass all of the discipline-specific study areas. All study areas, including discipline-specific study areas (e.g. air quality, cultural heritage, groundwater etc.), proposed at the ToR stage should be refined during the EA process in consultation with government agencies, Indigenous communities and interested members of the public.</p>		
<p>2. Subsection 7.3 should include a statement indicating that the criteria, indicators and data sources for the evaluation of alternative methods are preliminary. Government review team agencies, Indigenous communities and members of the public should have an opportunity to provide input on the criteria, indicators and data sources during the EA. By indicating that the criteria, indicators and data sources are preliminary it provides flexibility in the ToR.</p>	<p>Acknowledged.</p>	<p>See action taken as per response to comment 1 on this section of the draft ToR. Section 5.1 of the proposed ToR does contain a statement as suggested in the MECP comment.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>3. Criteria pertaining to the built environment and financial costs are missing. Some of the indicators in Table 7.3-1 (e.g. biology, land use, archaeology, culture) need to be more specific to determine how potential impacts to environmental components will be measured.</p> <p>The built environment (roads, site infrastructure) as well as financial costs (capital, operation and maintenance, lifecycle costs) should be considered in the evaluation of alternative methods.</p> <p>Traffic effects should also be included as an evaluation criterion.</p> <p>Section 4.2.4 of the Code of Practice (Environmental Assessment) states that indicators are how potential effects will be measured for each criterion. It is recommended that definitions of criteria and indicators be included in the evaluation methodology outlined in the ToR. Indicators need to be measurable and/or reportable to be able to ascertain a change to the environmental criterion.</p>	<p>Acknowledged.</p>	<p>See action taken as per response to comment 1 on this section of the draft ToR. A set of proposed general preliminary evaluation criteria for comparison of 'Alternatives To' are provided in Section 4.2 of the proposed ToR. A set of typical environmental components that would be evaluated to compare 'Alternative Methods' are listed in Section 5.1 of the proposed ToR.</p>
<p>4. On page 43, "Continued service to residents" is listed as an environmental sub-component. Providing "Continued service to residents" is part of the purpose for carrying out the EA and not an environmental criterion. Other sub-components can be added to assess effects to local residents such as traffic and litter.</p>	<p>Acknowledged.</p>	<p>See action taken as per response to comment 1 on this section of the draft ToR.</p>
<p>5. The socio-economic category does not include financial evaluation criteria. Examples of financial criteria are capital, operation and maintenance, as well as overall lifecycle costs as an EA looks at the impacts of all phases of the proposed undertaking (planning, detailed design, tendering, construction, operation, closure and decommissioning).</p>	<p>Acknowledged.</p>	<p>See action taken as per response to comments 1 and 3 on this section of the draft ToR.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>6. Subsection 7.5.3 (Task 3 – Qualitatively Assess the ‘Alternative Methods’ for Landfill Expansion) mentions that the EA project team will qualitatively predict the effects for each “Alternative Method”.</p> <p>The evaluation of alternative methods with respect to different components of the environment can be qualitative or quantitative. Please provide an explanation as to why the alternative methods evaluation will consist of only a qualitative assessment.</p> <p>Similar to a quantitative analysis, a qualitative analysis should be based on objective data and references/sources. A qualitative analysis should follow appropriate traceable and replicable methodology. Qualitative assessments are encouraged where quantitative information is not available and thus a quantitative analysis is not possible. If known, the proponent should identify the specific evaluation methodology that will be used to assess the proposed project (e.g. reasoned argument approach).</p>	<p>Acknowledged.</p>	<p>See action taken as per response to comment 1 on this section of the draft ToR. The general methodology provided in Section 5.1 of the proposed ToR indicates that qualitative or quantitative methods could be used, as appropriate of that environmental component.</p>
<p>7. Subsection 7.5.3, pg. 43 mentions that each “Alternative Method” of the Boyne Road Landfill expansion will be examined to determine if it would ultimately be approvable under the Environmental Protection Act. It also mentions that “At this point, the EA project team may also consider additional alternatives to the project that may have been identified by the public or other parties during the EA process”.</p> <p>The potential approvability of the alternative method is typically considered when determining a reasonable range of alternative methods to carry forward to a detailed evaluation. The addition of alternative methods based on input from consultation activities should be part of Task 2 – Develop the ‘Alternative Methods’ of Landfill Expansion.</p>	<p>Acknowledged.</p>	<p>See action taken as per response to comment 1 on this section of the draft ToR. This has been removed in the proposed ToR.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>8. Subsection 7.5.4 mentions that the alternatives will be compared qualitatively using the sub-components and indicators presented in Table 7.6-1 and the advantages and disadvantages will be described.</p> <p>When completing the evaluation of alternative methods, each method should first be compared against the 'do nothing benchmark (existing baseline conditions) to measure the consequences of each alternative method on the environment. The evaluation process examines trade-offs, in which the advantages and disadvantages of each alternative are weighed in terms of their net effects, both positive and negative, on the environment. This should be mentioned in the ToR.</p>	<p>Acknowledged.</p>	<p>See action taken as per response to comment 1 on this section of the draft ToR. Section 5.1 of the proposed ToR describes comparison with the Do Nothing alternative in the general methodology.</p>
<p>9. Subsection 7.5.7 mentions that the cumulative effects assessment will consider the net effects of the project combined with the predicted effects of other existing and identified certain and probably projects in the area of the site, where the effects would overlap.</p> <p>Section 4.3 of the Code of Practice encourages the proponent to include information about potential cumulative effects of the project in combination with past, present and reasonably foreseeable future activities where possible. Proponents are advised to consult with government agencies to identify any already-approved projects that will be built in the future and to consider their potential cumulative impacts to the extent possible. Please include this as a commitment in the ToR. The study areas for cumulative effects assessments typically encompass areas larger than the area in the vicinity of the landfill site.</p>	<p>The description provided in Section 7.5.7 of the draft ToR was intended to fulfil the description of cumulative impact assessments as per Section 4.3 of the Code of Practice.</p> <p>It should be recognized that in any area selected for waste management in this largely rural and expected low growth municipality, there is likely to be a limited number of existing and planned projects. Also, the study area for cumulative effects assessment is not considered to necessarily be larger than the study areas associated with assessment of impacts for the preferred 'Alternative To', since the potential impacts have to overlap in time and space.</p>	<p>See action taken as per response to comment 1 on this section of the draft ToR. Cumulative effects assessment is described as a component of the EA in the general methodology provided in Section 5.1 of the proposed ToR.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>10. Climate change effects on the project only consider impacts to the stormwater management system. Effects of climate change on the leachate management system and stability of waste pile slopes are other infrastructure components that should be considered.</p> <p>Please refer to ministry's guide "Considering climate change in the environmental assessment process (2017)" for climate change assessment resources.</p>	<p>Acknowledged.</p>	<p>See action taken as per response to comment 1 on this section of the draft ToR. Climate change effects assessment is described as a component of the EA in the evaluation and assessment methodology provided in Section 5.1 of the proposed ToR.</p>
<p>11. Subsection 7.6 indicates that the "EA work plans may be updated and revised throughout the EA process based on continuing discussions with stakeholders."</p> <p>More detailed work plans are developed at the EA stage. The ToR should state that the work plans are preliminary and will be further refined/developed in consultation with agency stakeholders, Indigenous communities and the public at the beginning the EA.</p>	<p>Acknowledged.</p>	<p>See action taken as per response to comment 1 on this section of the draft ToR. With an unfocussed EA, preliminary technical work plans are not part of the proposed ToR. Section 5.1 of the proposed ToR describes the preparation of detailed work plans during the EA as per the MECP comment.</p>
<p>12. Table 7.6-1 (Draft Proposed Work Plans) indicates that the qualitative evaluation of 'Alternative Methods' will involve describing the differences between 'Alternative Methods' and ranking each alternative.</p> <p>More description on how alternative methods will be evaluated in the EA is needed in the ToR. The evaluation of alternative methods is a detailed assessment and often involves modelling activities to determine potential effects, such as air quality effects, stormwater effects, contaminating lifespan for leachate and landfill gas etc. for each alternative method.</p>	<p>Acknowledged.</p>	<p>See action taken as per response to comment 1 on this section of the draft ToR. With an unfocussed EA, preliminary technical work plans are not part of the proposed ToR.</p>
<p>Section 8.0: Consultation</p>		

Comment Received	Township of North Dundas Response	Updates to ToR
<p>1. The government review team agencies contacted should be listed in Section 8.1.1 (Notice of Commencement and Open House #1).</p> <p>Section 8.0 should provide a list of the government review team agencies contacted and summarize comments and feedback received from each agency.</p> <p>Please note that the Environmental Assessment Government Review Team Master Distribution List in the Record of Consultation is dated November 2016. A more current list is available from the ministry and will be useful in updating the EA contact list. An updated list is provided as an attachment to this memo.</p>	<p>Understood.</p> <p>All feedback received from the GRT was provided in Section 8.0 of the draft ToR and therefore no change has been made to the proposed ToR in this regard.</p> <p>An updated Environmental Assessment Government Review Team Master Distribution List was provided to the Township by the MECP in November 2018 and it was reviewed ...</p>	<p>The government review team agencies contacted are provided in Volume 3- Appendix B and have changed through the process of the ToR development as feedback has been received from these agencies. The listing of agencies has been added to Section 8.1.1 of the proposed ToR.</p>
<p>2. Table 8.1-1 (Stakeholder Responses) only summarizes responses from agency stakeholders regarding the Notice of Commencement of the ToR.</p> <p>Section 5.3.1 of the Code of Practice indicates that the proponent must clearly and accurately summarize the comments made by all interested persons during the preparation of the ToR.</p> <p>Section 8.0 should contain summary tables that outline comments and proponent responses to questions/inquiries from the public as well as those provided by MECP, other agency stakeholders and Indigenous communities.</p>	<p>As stated in Section 8.1.1, Table 8.1-1 summarizes all GRT responses received on the NOC and Open House #1. Section 8.1.1 also states only one member of the public commented on the Open House #1 material with regard to ranking of criteria presented. No other comments on the NOC or Open House #1 were received.</p> <p>As stated in Section 8.1.2, no comments related to the ToR were received from the public or GRT with regard to Open House #2.</p> <p>As stated in Section 8.1.3, all GRT groups who provided comments are listed and a brief summary of their concerns is provided with greater detail provided in Volume 3-Appendix G3. No comments were received from the public</p> <p>As outlined in Section 8.1.4, only one Indigenous community engaged with the Township and they expressed a desire to be involved in any archaeological studies completed at the Boyne Road Landfill site.</p>	<p>No change. Note that Section 8.0 of the draft ToR is Section 7.0 of the proposed ToR.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>3. On page 61, the statement “As agreed upon by the MOECC and the RSNPR, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the local Source Protection Plan (RSNPR, 2016)” appears again in sub-section 8.1.3.</p> <p>The Record of Consultation includes a memo from the ministry’s Source Protection Programs Branch which provides comments and suggestions on items that need further consideration. These comments as well as an indication of how the proponent has addressed the comments should be included in a summary table in Section 8.0 of the ToR. It is also unclear from Section 8.0 or the Record of Consultation as to whether the South Nation Conservation Authority was consulted during the ToR.</p>	<p>See response to MECP comment 2 on Section 6.0 of the draft ToR. It is noted that Volume 3- Appendix F contains a memorandum that provides a technical assessment of the comments and suggestions provided by SPPR, which was provided in the circulation of the draft ToR. The draft ToR circulation included SPPR, who did not provide comment. The correspondence in Volume 3- Appendix F shows that SNC was consulted on this matter. It is also noted that SNC is part of the GRT list.</p>	<p>The description of this pre-consultation with MECP SPPB and RSNPR has been moved to Section 4.1 of the proposed ToR.</p>
<p>4. Sub-section 8.1.4 (Consultation with Indigenous Communities) references a letter from the ministry “explaining that there was no immediate duty to consult with all but the Algonquins of Ontario Consultation Office, the Mohawks of Akwesasne and the Huron-Wendat Nation”. The Community Engagement Plan in the Record of Consultation should include a list of Indigenous communities to consult.</p> <p>The letter from the ministry which formally delegates the procedural aspects of the Crown’s duty to consult to the proponent provides a list of communities that should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that could be adversely affected by the undertaking based on preliminary information. The letter does not indicate that there is “no immediate duty to consult” with other communities.</p>	<p>Acknowledged.</p> <p>It is noted that the Community Engagement Plan in the Record of Consultation was prepared in November 2016, in advance of the NOC and the MECP providing the listing of Indigenous communities to engage for consultation. As such it is not considered necessary to include the list of Indigenous communities within the Community Engagement Plan.</p>	<p>The wording in regard to the duty to consult has been modified in the proposed ToR.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
<p>Sub-section 8.1.4 should state that the ministry has delegated the procedural aspects of consultation with Indigenous communities to the proponent. The section should include an overview of the proponent's responsibilities. Please note that Indigenous communities should not be referred to as stakeholders in the Community Engagement Plan found in the Record of Consultation.</p>		
<p>5. In Section 8.2, it is noted that a Draft EA will be circulated to the public for a period of 5 weeks. Please note that this timeframe will need to be discussed with MECP staff and may require additional time. We would suggest that this wording be removed from the ToR. In addition, please include other stakeholders and agencies into this section, as the reference is only to public comments.</p>	<p>Acknowledged.</p>	<p>The wording has been modified in the proposed ToR as per the MECP comment.</p>
<p>6. With Regards to the Consultation Plan itself, it is noted that the description of the plan appears to be inadequate. Typically, a consultation plan includes the following:</p> <ul style="list-style-type: none"> ○ Objectives; ○ General consultation methods proposed; ○ How input will be obtained; ○ Description of key decision-making milestones; ○ Issue resolution strategy; ○ A statement that the proponent will consider flexibility; ○ Aboriginal consultation plan – needs to be designed to encompass unique needs of Aboriginal communities - language, communication styles, preferences, access to communication tools. <p>Please refer to Section 5.2.9 of the ToR Codes of Practice for more information on consultation plans.</p>	<p>Acknowledged.</p> <p>It is noted that the ToR Code of Practice indicates that in choosing the most appropriate level of consultation, the proponent should consider the complexity of the proposed undertaking, the level of potential concerns and controversy, and the extent of the potential environmental effects of the proposed undertaking. It should be noted that the Township does not consider this proposed undertaking as complex, and the consultation record of the draft ToR demonstrates the lack of potential concern or controversy. It has been demonstrated that there is very little interest or concern regarding this undertaking. As such it is appropriate that this is considered with regard to this Consultation Plan.</p>	<p>The current format of the Consultation Plan is similar to other approved plans in other waste ToRs. Nevertheless, the Consultation Plan has been updated in Section 7.2 of the proposed ToR to include the information requested.</p>

Comment Received	Township of North Dundas Response	Updates to ToR
Section 9.0: Other Regulatory Approvals		
<p>1. It is recommended that a commitment be made in this section indicating that the list of regulatory approvals is preliminary and is subject to changes and refinement during the EA based on consultation with regulatory agencies.</p>	<p>Acknowledged.</p>	<p>Because of the change to an unfocussed EA, this section has been modified to be more general in the proposed ToR.</p>
Section 11.0: Commitments and Monitoring Strategy		
<p>1. Only one commitment is listed in Table 11.1-1 (List of Commitments). As per section 5.2.8 of the ToR Code of Practice, a commitment statement should be included in the ToR to develop a monitoring framework during the preparation of the EA. The monitoring framework will consider all phases of the proposed undertaking (planning, detailed design, tendering, construction, operation, closure and decommissioning). Where appropriate this framework must include compliance monitoring and effects monitoring.</p> <p>Table 11.1-1 should include a summary of all ToR commitments that address specific comments and concerns raised during the preparation of the ToR. This ToR commitments table serves to demonstrate that the EA was carried out in accordance with the approved ToR when a final EA is submitted to the ministry.</p>	<p>The commitment statement regarding a monitoring framework is in Section 11.2 of the draft ToR (now Section 10.2 of the proposed ToR).</p>	<p>A summary of all ToR commitments is provided in the table in Section 10.1 of the proposed ToR.</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
Adam Sanzo, Project Officer, Environmental Assessment and Permissions Branch Ministry of the Environment, Conservation and Parks				
General Comments				
1. Please ensure that the Ministry of the Environment, Conservation and Parks is referenced throughout the ToR. As of June 29, 2018, the ministry is no longer the Ministry of the Environment and Climate Change.	Understood. It is noted that the term Ministry of the Environment, Conservation and Parks has been used throughout the ToR. The only time the Ministry of the Environment and Climate Change has been mentioned is as it relates to references to documents written when the Ministry used this name and this is appropriate when citing these documents.	No change.	Addressed	
Executive Summary				
1. Only site closure and site expansion were considered in detail as alternatives to the undertaking in the Waste Management Alternatives Evaluation (Golder 2005). Additional diversion, “do nothing”, alternative land fill sites and alternative waste management technologies (e.g. incineration) are missing as alternatives to the undertaking and must be considered. Also consultation would be required on this study. The ministry needs to understand the municipality’s justification for not looking at other alternatives. If proceeding under subsections 6(2)(c) and 6.1(3), proponents have to demonstrate in the ToR that they have carried out a previous planning and decision –making process (e.g. Master Plan) that has included consultation with interested persons on the criteria and assessment to identify a more limited scope of alternatives to. Proponents have to fully document that process. In general, it is the ministry’s expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation. The ministry needs to understand the municipality’s justification for not looking at other alternatives to and this should be documented in the ToR.	The previous 2015 assessment of alternatives did consider both an alternative (new) landfill site and alternative technologies; these were assessed at a high level and screened out of the more detailed assessment of alternatives because it was concluded they were not reasonable for the Township to pursue. The Do Nothing alternative was not considered in the 2015 assessment. The Ministry’s stated expectation that all municipal proponents undertake waste management master planning studies, including consultation that would fulfill the EA process requirements, is not the reality of the situation for many municipalities in Ontario, and especially not for smaller municipalities.	The proposed ToR has been changed to assess Alternatives To during the EA process, including the Do Nothing alternative.	Partially addressed The ministry notes that waste diversion was not included as an alternative to the undertaking that will be considered in the EA. Section 5.2.5 (Description of and Rational for Alternatives) of the EA Code of Practice provides a reasonable range of alternatives for increasing waste disposal capacity for a municipality: waste diversion program; export; landfill; and thermal technology. It is the ministry’s expectation that the proponent identify and assess a reasonable range of alternatives during the EA for increasing waste disposal capacity.	Although waste diversion cannot fully address the problem of insufficient long-term residual waste management capacity it has been added to Section 4.2 of the ToR as an ‘Atlternative To’.
2. On pg. iii, there is reference to W12A Landfill site, the City of London’s Residual Waste Disposal Strategy and that alternatives to the undertaking will not be part of the environmental assessment (EA). In addition to the wrong project being referenced, is there a Waste Management Strategy/Plan for the Township of North Dundas (and the United Counties of Stormont, Dundas and Glengarry)? There is insufficient rationale for focusing the EA on the evaluation of alternative methods.	The reference to ‘City of London” was incorrect. There is not a Waste Management Plan for the Township or the County; the County Master Plan study that was undertaken in the late 1980s/early 1990s was not completed and was abandoned more than 25 years ago. Waste management planning and responsibility within the County is at the lower tier municipality level.	The proposed ToR has been changed to assess ‘Alternatives To’ during the EA process.	Partially addressed Is the Township currently undertaking long-term waste master planning to look at added opportunities for waste diversion from landfill and to establish diversion goals? The ministry notes that the title of the ToR has been changed from “Proposed Expansion of the Boyne Road Landfill” to “Township of North Dundas Residual Waste Management Plan”.	The Township is not currently undertaking long-term waste management planning.

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
			<p>The definition for residual waste in the ToR glossary is “waste material that cannot be diverted through recycling or other processes and requires disposal.”</p> <p>As the reported diversion rates for residential, non-hazardous, solid waste is approximately 23 to 25%, and the diversion rate for the non-residential fraction of waste disposed of at the Boyne Road Landfill is unknown, it appears that there is additional opportunity for diversion. Therefore, the ministry recommends that the title of the EA be changed to reflect that the Township will be considering ways of managing municipal, non-hazardous solid waste, rather than residual waste. The ministry suggests the title of the project be changed to “The Township of North Dundas Waste Management Plan”</p>	<p>The noted diversion rate for residential, non-hazardous, solid waste is similar to other Ontario municipalities of a similar size to the Township. The Township has now updated the ToR such that enhanced at-source residential diversion will be evaluated and included in the EA. A commitment to complete a waste diversion study has been added to Section 10.1 of the ToR.</p> <p>The title of the EA has not been updated as the problem identified for this EA is residual waste management. Diversion can provide input to the magnitude of the problem, but diversion is not the problem nor do diversion initiatives require an EA.</p>
3. On pg. iii, the document states that the landfill expansion design approach will be a site-specific natural attenuation design, and that the expansion will be a vertical or horizontal expansion or a combination. A preferred landfill expansion and leachate method has already been chosen before the EA commencement. The determination of a preferred undertaking is only supposed to happen during the EA and not during the ToR stage. Consideration of alternatives methods should be included in the EA including alternative landfill sites.	The Draft ToR did not select a preferred landfill expansion method; rather it described the physical and regulatory factors that would be considered in developing ‘Alternative Methods’ of landfill expansion.	The proposed ToR has been changed to assess ‘Alternatives To’ during the EA process. As such, all discussion of ‘Alternative Methods’ specific to expansion of the Boyne Road Landfill has been removed.	Addressed	
4. On pg. v, there is a misinterpretation of the delegation of the duty to consult letter. The letter from the ministry delegates the procedural aspects of the Crown’s duty to consult to the proponent and provides the communities that should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that could be adversely affected by the undertaking based on preliminary information. The list is subject to change. It does not mean that there is no immediate duty to consult with other communities. It is expected that the proponent will identify, engage and provide information to any Indigenous community that may have an interest or may be affected by the proposed undertaking and confirm their interest in the EA study.	Understood.	In the proposed ToR, the wording has been modified in the Executive Summary and in Section 7.1.4 to address this comment.	<p>Not addressed</p> <p>The executive summary and now section 7.1.4 (Consultation with Indigenous Communities) states that “Subsequently the MECP advised that a reduced list of Indigenous communities was appropriate for this project. As a result, a letter was prepared explaining that the consultation on this EA would continue with three of the communities, indicating that the other Indigenous communities could still participate in the EA if they had an interest to continue to receive information and/or engage in the project.”</p>	Wording has been added to the Executive Summary and Section 7.1.4 (now 7.2.4) in this regard.

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
			<p>The modified wording is inaccurate. The ToR should state that the MECP has delegated the procedural aspects of the Crown's duty to consult with Indigenous communities through this letter. The ToR should also state that the Township will be consulting with the communities in the letter as these are the communities identified to have or may have constitutionally protected Aboriginal or treaty rights that could be adversely affected by the undertaking based on preliminary information.</p> <p>It is the ministry's expectation that the Township will identify, engage and provide information to any Indigenous community that may have an interest or may be affected by the proposed undertaking and confirm their interest in the EA study.</p>	
5. On pg. vi., please remove language that the ministry and Raisin-South Nation Protection Region (RSNPR) agree that the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat. The assessment of impacts to source water, highly vulnerable aquifers, and wellhead protection zones should be conducted during the EA for the different alternative methods and not at the ToR stage.	Comment acknowledged.	The wording has been removed from the proposed ToR.	<p>Addressed</p> <p>Please note that in Section 7.1.3 (Draft Proposed Terms of Reference), Raisin is misspelled as Raison.</p>	The spelling of Raisin has been corrected.
Section 1.0: Introduction				
1. Fig 1.2-1 appears to be incorrect. The approved landfill site is much smaller. Please verify actual landfill site boundaries. The figure differs from the key map in public notifications (e.g. website, Notice of Commencement of ToR).	Figure 1.2-1 is not incorrect, as per the legend it does not show the approved landfill but the property boundary of the landfill site. The key map in public notifications shows the approved landfill fill area. Figure 1.2-1 has been updated in the proposed ToR.	Figure 1.2-1 has been replaced by Figure 1.0-1 and now shows whole of the Township of North Dundas and the location of the Boyne Road Landfill property boundary as well as the approved landfill fill area.	Addressed	
2. The purpose of the undertaking is too specific. The purpose should be broader. For example: an EA is being initiated by the municipality to secure additional waste disposal capacity for the next 25 years since the Boyne Road Landfill is being overfilled. The ToR should include a commitment to confirm the problem. Section 5.2.3 of the ToR Code of Practice states that the proponent will refine the purpose statement if required as it proceeds through the planning process and present the final purpose statement in the EA (if the ToR is approved). A project is defined after a preferred undertaking has been identified during the EA.	Understood.	The purpose of the undertaking has been moved to Section 1.3 of the proposed ToR and updated to be less specific and the ToR now includes a commitment to confirm the problem in the EA.	<p>Partially addressed</p> <p>The ministry notes that the revised purpose of the EA is "To provide environmentally safe and cost-effective long-term residual waste management for the Township of North Dundas for a 25-year planning period."</p> <p>The ministry recommends that the purpose of the EA study be changed to reflect that the Township is proposing to consider ways to manage municipal, non-hazardous solid waste, rather than residual waste.</p> <p>The purpose of the EA should speak to studying long-term solid waste management options to secure additional waste capacity for the Township to be able to continue providing waste disposal services to its residents over a 25-year planning period as the Boyne Road Landfill is overcapacity.</p>	<p>The term "project" has been updated to "EA Study" in the ToR.</p> <p>Because the reason the Township is considering this EA is related to unexpected lack of residual waste management capacity in the existing landfill, the purpose of the EA seems correct. This is not to say that long-term diversion initiatives will not influence the purpose, and the way in which diversion will be considered has been added to Section 1.3 of the ToR.</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
			The ministry also notes that “project” is used through the ToR. As mentioned previously, a project is defined after a preferred undertaking has been identified during the EA. Therefore, references to “project” in the ToR should be changed to “ EA study ” or “undertaking”.	
3. On page 4, there is a statement that that the landfill is generally in compliance with provincial surface water management policies and that the results of the site monitoring programs show favourable performance of the Boyne Road Landfill which provides technical justification for expanding the landfill. A discussion of compliance with the existing waste and industrial sewage Environmental Compliance Approvals (ECA) is needed as part of the description of existing conditions (site operations). Additional justification as to why the Boyne Road Landfill site is suitable for expansion and is in an environmentally favourable location is needed.	Understood. This ToR is no longer being focused on landfill expansion and hence additional justification as to why the Boyne Road Landfill site is suitable for expansion and is in an environmentally favourable location is no longer needed in this ToR.	This text has been moved to Section 1.2 of the proposed ToR. The sentence indicating that the favourable performance of the Boyne Road Landfill with respect to monitoring results provides justification for expanding the landfill has been removed. A discussion of the landfill's compliance with its waste ECA has been added. It is noted that the existing Boyne Road Landfill does not have an industrial sewage ECA.	<p>Partially addressed</p> <p>Page ii of the executive summary indicates that the Boyne Road Landfill site is approved for approximately 395,000 cubic metres (m³) of volumetric capacity in 1971 and that as of December 24, 2018, the volume of waste in place was about 533,780 m³.</p> <p>The landfill is approximately overfilled by 139,000 m³ and is currently operating on temporary extensions of ECA Number A482101 which allow the Township to continue operating the landfill subject to the availability of a contingency plan to alleviate any emergency situation for waste management in the local Township, while exploring alternative options for waste management in the Township or pursuing/implementing the long-term waste management plan. The revised ToR should include this information as part of the rationale and purpose for conducting an EA to secure additional long-term waste disposal capacity.</p> <p>Page 3 of the revised ToR still states that results of the landfill monitoring programs show favourable performance of the Boyne Road Landfill. Please modify this wording to reflect that the Boyne Road Landfill site is performing as designed, and the impacts on the natural environment are deemed as acceptable as stated in the latest extension of approval for continued landfilling (dated January 30, 2019). In addition, condition 5.1 of the extension of approval requires the Township to carry out additional water quality monitoring and develop appropriate mitigation measures and implementation schedule to address any consequential environmental impact.</p>	<p>The text in the Executive Summary and in Sections 1.3 and 3.2 has been modified to further explain the overfill situation and to include this as the rationale and purpose for conducting an EA.</p> <p>Modifications to the wording on page 3 (Section 1.2) and in the Executive Summary have been made generally as requested. It is not considered appropriate to include the words ‘as designed’ since the site performance was not ‘designed’ when the landfill was first established, nor to make reference to the suggested last sentence re ECA Condition 5.1 since 1) it does not have any bearing or relevance to the current environmental performance of the site, and 2) it is considered to be an unnecessary technical detail in what is intended for the reader as a general description of the current situation.</p>
4. An additional description of the site components, site entrance and haul routes are needed in Section 1.3 (Site Description and Waste Management Activities). A figure of the municipal boundaries and service area should also be included in the ToR. This level of detail is expected when describing any landfill sites and the study area.	Understood. Additional information has been added to the proposed ToR as indicated in the next column with the exception of haul routes. As this is no longer an EA of the expansion of the existing landfill, this level of detail is out of context at this stage in the ToR.	Section 1.3 of the draft ToR has been moved to Section 1.2 of the proposed ToR. A description of the site components has been added as well as a description of the existing landfill service area.	<p>Partially addressed</p> <p>MECP suggests that the haul routes be designated on the figures. See comment in memo</p>	The main haul route to the Boyne Road Landfill has been added to Figure 1.0-1.

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
5. Fig 1.3-1 could be modified to better match the text in Section 1.3 and indicate property ownership more clearly. The approved landfill site as per the waste ECA should be clearly delineated.	Understood.	Figure 1.3-1 has changed to Figure 1.2-1 in the proposed ToR. Minor changes to the figure have been made to improve clarity.	Addressed	
Section 2.0: The EA Process				
1. Section 2.1 states that on February 23, 2017, the Township initiated the EA process by publishing a Notice of Commencement of the EA in local newspapers. This should read that a Notice of Commencement of the ToR was posted, not EA	Understood.	This change was made in the proposed ToR.	Addressed	
2. Section 2.4 references both subsections 6.1(3) and 6.1(2) of the EAA. The proponent states that requirement 6.1(2)(d) will not be carried out. The ToR must clearly state how the EA will be prepared as per subsections 6(2)(a) and 6.1(2), or subsections 6(2)(c) and 6.1(3). Requirement 6.1(2)(d) cannot be removed as it requires the evaluation of advantages and disadvantages of alternative methods of carrying out the undertaking.	Understood.	Section 2.4 has been updated to include requirements of Section 6.1(2)(d) of the EAA.	Addressed	
3. Section 2.4 mentions a confirmatory screening assessment of “Alternatives To”. Section 5.2.5 of the ToR Code of Practice provides a number of questions that proponents can use to determine a reasonable range of alternatives to consider during the EA process. These questions are designed to help determine an initial list of alternatives that could be feasible for addressing the problem statement. These questions are not intended to be used as a means by which alternatives are compared and assessed. Section 5.2.5 of the ToR Code of Practice also mentions that proponents may conduct an initial screening of alternatives before or at the ToR stage. This formal screening must include considerations of key environmental factors such as the potential impacts to the natural environment, potential cultural and socio-economic impacts and impacts to Indigenous and Treaty rights. Consultation on scoping down alternatives to the undertaking should be carried out. The detailed screening results should be included in the supporting documentation of the ToR. A screening serves to scope alternatives to the undertaking and is not intended to confirm a preferred undertaking. Typically, it is the ministry’s expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation.	Understood.	The proposed ToR no longer contains a confirmatory screening assessment of ‘Alternatives To’, nor is it mentioned in Section 2.4.	Addressed	
4. Section 2.5 (Justification for Submitting a Focused EA) mentions that a study of short-term and long-term waste management alternatives for a 25-year planning horizon was completed in 2015 which can be considered as an assessment of “Alternatives To”. “Do Nothing” or “Additional Waste Diversion” or “Alternative Waste Management Technologies” or “Establish New Landfill Site in the Township” alternatives were not considered in this study.	Understood. The Township of North Dundas is no longer submitting a focused EA.	Section 2.5 of the draft ToR has been removed.	Addressed	

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
<p>A reasonable range of alternatives to the undertaking compared to the do nothing alternative were not considered in the 2015 study. Therefore, this study does not meet EAA requirements.</p> <p>A rationale must be provided for not considering other landfill sites. Also, to focus the EA on one landfill site, sufficient justification is required to demonstrate why the expansion of the Boyne Road Landfill is the best/only option based on environmental factors (e.g. previous planning study, good soil, proximity to highway, close to waste transfer station, etc.).</p> <p>Section 5.2.5 of the ToR Code of Practice states that the examination of one alternative compared against the do nothing alternative is acceptable as long as justification is provided for doing so and consultation on that justification has been or will be carried out. However, proponents take a risk that the alternative may not be acceptable to the Minister when a decision is made, and that the proposal may not go ahead.</p>				
5. On page 10, it is stated that traffic studies are not proposed for the EA. However, the impacts of the continued use of haul roads over a 25-year period need to be assessed. Information on the number of trucks that visit the site should also be included in the description of existing conditions. It is inappropriate to use the ToR to screen out consideration of environmental effects	Understood. The proposed EA is no longer focused and so it is now inappropriate to remove any potential environmental effects until the preferred 'Alternative To' is identified and understood.	Section 2.5 of the draft ToR has been removed.	Addressed	
<p>6. Section 2.6 (Flexibility of the ToR to Accommodate New Circumstances) of the ToR mentions that circumstances could arise under which minor modifications are necessary or desirable.</p> <p>As per section 5.2.10 of the ToR Codes of Practice, it is important for proponents to be aware that circumstances may arise that could prevent commitments in the ToR from being met. As the ToR cannot be amended after it has been approved it is important to incorporate flexibility into the ToR to accommodate circumstances that could prevent commitments in the ToR from being met. If it is anticipated that that a potential change to a commitment in a ToR may be required, it should be clearly explained in the ToR that the commitment may be subject to further refinement. It should also be clearly identified how the potential refinement will be considered during the EA.</p> <p>To provide this flexibility, the proponent should indicate that the information provided in the ToR sets out the minimum requirements for the EA, state that the information is preliminary, and will be confirmed during the preparation of the EA in consultation with the public, Indigenous communities and government agencies.</p>	<p>Understood.</p> <p>At the time of preparing the ToR, it is not anticipated that a change to a commitment made in the ToR will be required.</p>	Section 2.6 of the draft ToR is now Section 2.5 in the proposed ToR and has been revised to include the necessary description of flexibility in the ToR.	<p>Partially addressed.</p> <p>Section 2.6 still states that "The modifications described above and other similar modifications would be considered minor changes that could be included within the overall scope of this ToR without seeking approval for amendment of the ToR." Please modify or remove this statement as the ToR cannot be amended after it has been approved by the Minister.</p>	The wording has been modified as requested.
Section 3.0: Rationale and Description of the Undertaking				

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
1. Throughout this section, there are repeated references to an Emergency ECA. Please note that the ministry issues amendments to waste ECAs for the continued use of the landfill site. Emergency ECA is the informal reference to these types of waste ECA amendments for small volumetric expansions under 40,000 m3. Please consider using this language for the amendment of the ECA.	Acknowledged.	The language and description of amendments to the ECA to allow for extension of approval for continued landfilling, otherwise known as an Emergency ECA (terminology used by the MECP Approvals Branch), has been updated.	Addressed	
<p>2. Section 3.1 mentions that the initiatives made by the province towards achieving zero-waste are likely to first be implemented in urban centres. Section 3.2 mentions that the Strategy for a Waste-Free Ontario is to shift from waste disposal to waste diversion and make waste management a carbon neutral industry.</p> <p>The Waste-Free Ontario Strategy objectives apply Province-wide and speaks to:</p> <ul style="list-style-type: none"> ○ Minimizing the need for landfills; ○ Ensuring that existing landfills are well managed; ○ Reducing greenhouse gas emissions; and, ○ Improving awareness of diversion opportunities to help drive larger volumes of IC&I waste diversion. <p>Please modify the text in the ToR to reflect these objectives.</p>	Understood. However, the more recent “A Made-In-Ontario Environmental Plan”, by MECP dated November 2018, explicitly indicates that food and organic waste minimization initiatives are for larger cities and it also recognizes there will be a need for landfills in the future as waste reduction plans are being implemented.	Section 3.1 of the proposed ToR has been updated to reflect the newer, more definitive actions outlined in “A Made-In-Ontario Environmental Plan”.	<p>Partially addressed</p> <p>Please note that the Waste-Free Ontario Act is the short-form reference for two pieces of legislation: <i>Resource Recovery and Circular Economy Act</i> and the <i>Waste Diversion Transition Act</i>, 2016. The short-form reference should be expanded to reflect these pieces of legislation that are in effect.</p> <p>Please note that the main goals of this legislation and the Strategy for a Waste-Free Ontario: Building the Circular Economy (2017) are to encourage the redirection of valuable materials destined for landfill back into the economy, shift responsibility to producers for managing the waste they produce, as well as to set the goals for reducing greenhouse gas emissions from the waste sector.</p> <p>The Made-in-Ontario Environment Plan (2018) outlines four actions to reduce and divert food and organic waste from households and businesses:</p> <ul style="list-style-type: none"> • Expand green bin or similar collection systems in large cities and to relevant businesses. • Develop a proposal to ban food waste from landfill and consult with key partners such as municipalities, businesses and the waste industry. • Educate the public and business about reducing and diverting food and organic waste. • Develop best practices for safe food donation. <p>Although the Environment Plan mentions expanding green bin or similar collection systems in large cities and to relevant businesses, the province contemplates a proposal to ban food waste from landfill, which does not exclude landfills servicing smaller municipalities.</p> <p>Furthermore, Section 6 of the Food and Organic Waste Policy Statement (Issued on April 30, 2018 pursuant to section 11 of the <i>Resource Recovery and Circular Economy Act</i>, 2016) directs proponents of landfills to explore opportunities to recover rather than</p>	<p>Sections 3.1 and 3.2 of the ToR have been updated to more correctly refer to legislation as well as acknowledge how the proposed diversion study may influence the volume of residual waste requiring management.</p> <p>The main goals of the Waste-Free Ontario Act were already included and acknowledged in Section 3.2 of the ToR. Please note that the “Policy Statement on Ontario’s Food and Organic Waste”, April 2018 states that for municipalities the size of the Township the appropriate mechanism for organic waste management would be through home composting, community composting and local event days; the Township currently encourages home composting.</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
			<p>dispose of food and organic waste. Policy 6.8 is applicable to this EA which states that:</p> <p><i>Proponents of new or expanded waste management systems for disposal should consider resource recovery opportunities for food and organic waste.</i></p> <p>Please revise Section 3.1 to reflect the information provided above.</p>	
<p>3. Historical waste disposal rates (residential versus IC&I) and waste diversion rates should be included in subsection 3.2 (Problem and Opportunity Assessment) as well as an explanation of why the existing landfill is in an overfill situation. Please include a breakdown of historical disposal rates for residential and IC&I waste and diversion rates where available. What is the existing estimated per capita waste generation rate? The description of existing landfill condition and status should outline the cause for the landfill overfill situation.</p>	<p>Understood. It is noted that some of the requested information, like the breakdown of residential versus IC&I waste disposal rates at the existing landfill is not available.</p>	<p>Section 3.1 of the proposed ToR has been amended to include more details on why the existing landfill is in an overfill situation. Section 3.2 of the proposed ToR has been amended to include an estimated per capita waste generation rate based on the airspace typically consumed annually at the landfill.</p>	<p>Partially addressed.</p> <p>An estimate for the residential waste generation rate was provided in the 2015 Waste Management Alternatives Evaluation Report of 2,900 tonnes/year. Does the Township have information on the amount of curbside waste collected to determine residential waste disposal and diversion amounts?</p> <p>It is the ministry's expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) to reduce the amount of waste going to landfills. The 23 to 25 percent residential waste diversion rate in the Township can be used as preliminary information for the purposes of the ToR, but additional information on waste disposal and diversion projections should be provided during the EA to further support the need for 400,000m³ of additional waste disposal capacity. This exercise should be part of the ToR commitment to confirm the problem in the EA.</p> <p>Section 3.2 also notes that the Township estimates that it would need 400,000m³ of landfill airspace over a 25-year period (2022 to 2047). Please provide clarification if 400,000m³ is the estimated amount of waste that may be generated over the 25-year planning period, or if it is the hypothetical air space (including cover) that would be required if landfilling were selected as the preferred undertaking through the EA process.</p>	<p>The estimate for residential waste generation in the 2015 report was developed for the purpose of assessing the costs associated with the waste export alternative, since an estimated tonnage is required. The Township does not have factual information on residential waste collection and diversion; they prepare the best estimates they can for the annual data call.</p> <p>As per the Township's previous response to the MECP comment 1 under Executive Summary, the Ministry's stated expectation that all municipal proponents undertake waste management master planning studies, including consultation that would fulfill the EA process requirements, is not the reality of the situation for many municipalities in Ontario, and especially not for smaller municipalities.</p> <p>The existing diversion will be considered during the EA and a study to investigate relevant diversion opportunities has been committed to as described in Section 10.1 of the ToR.</p> <p>Wording has been added to Section 3.2 that the amount of airspace required will be confirmed during the EA.</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
				Sections 3.2 and 3.3 both describe the 400,000 m ³ as the estimated airspace requirement. As clarified in a previous response, this includes waste and daily cover, but does not include final cover.
<p>4. Waste projections in Table 3.2-3 do not distinguish between residential and IC&I waste disposal rates and assume a 25% diversion rate from 2017 to 2047. Rationale should be provided as to why the waste diversion rate will be the same over the 25-year planning period.</p> <p>The waste projections presented in Section 3.0 could be further broken down to show predicted residential and IC&I annual disposal volumes and anticipated diversion rates. Waste projections should also be consistent with population and employment projections in official planning documents.</p>	There is no information available to distinguish between residential and IC&I generation, disposal or diversion. There is an overall estimated Township diversion rate of about 25%. Other than the use of typical published waste generation statistics, the types of information on waste generation and diversion in North Dundas is not available. As such, it is preferable and considered reasonable to rely on the factual information that is available, i.e., annual landfill airspace consumption on which to base the projections of future residual waste management requirements.	<p>Additional rationale for maintaining a 25% diversion rate for waste projections over the planning period has been added to Section 3.2 of the proposed ToR.</p> <p>Population projections from official planning documents has been added and used in waste projections in the proposed ToR.</p>	Please see the response to (section 3.0) comment #3 above.	See response above.
<p>5. Section 3.4 states the proposed project is the vertical or horizontal expansion of the Boyne Road Landfill and that the design approach will be a site-specific natural attenuation design. As previously mentioned, the preferred undertaking (the project) has been determined at the ToR stage which is inconsistent with EA requirements. The EA should look at alternatives to the undertaking and alternative methods for carrying out the preferred undertaking. Technologies are examined at the alternative methods stage. The design concept for the preferred undertaking is presented near the end of the EA process.</p>	Understood.	Section 3.4 of the proposed ToR has been revised such that the description of the proposed project is now very general.	Addressed	
Section 4.0: Assessment of 'Alternatives To' to the Project				
<p>1. Section 4.1 indicates that the Waste Management Alternatives Evaluation (Golder 2015) considered technical, approvability and financial factors and that only Alternatives 1 and 2 were considered. Alternatives 3 (new landfill site) and 4 (alternative waste management technologies) were not expected to be financially viable and were therefore not assessed in detail.</p> <p>The Waste Management Alternatives Evaluation (Golder 2015) is not a study similar to an EA as it does not look at the advantages and disadvantages of a reasonable range of alternatives and their effects on all aspects of the environment (including physical, natural, social, economic, etc). It also does not make comparisons against the do nothing benchmark alternative. An update to this section and accompanying Waste Management Alternatives Evaluation will need to be undertaken if the proponent expects to use this document to justify any focussing of alternatives to the undertaking.</p>	Understood.	Section 4.1 of the proposed ToR has been updated and the Waste Management Alternatives Evaluation is no longer being used as a basis to focus the EA.	<p>Partially addressed</p> <p>As section 4.0 has been significantly revised, the ministry recommends that the heading be changed to reflect that the purpose of this section is to describe the range of alternatives that will be evaluated in the EA.</p> <p>The ministry notes that section 4.1 is titled Preliminary Assessment of 'Alternatives To' Conducted Prior to the EA. The ministry suggests that this section be renamed to reflect that it describes previous waste management studies completed by the Township.</p>	<p>The titles of Sections 4.0 and 4.1 of the revised ToR have been modified and Section 4.1 has been updated to ensure that waste management options evaluated are not considered 'Alternatives To'.</p> <p>The detail of the previously performed waste management study has been left in place as it provides important context to the reader.</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
			<p>As the Waste Management Alternatives Evaluation (Golder 2015) is not a study similar to an EA, it would be inaccurate to refer the waste management options in this report as alternatives to the undertaking. Alternatives to the proposed undertaking are functionally different ways of approaching and dealing with a problem or opportunity that will be addressed in an EA. For waste management EAs, these are typically different ways of increasing waste disposal capacity.</p> <p>The Township should clarify in section 4.1 that it completed a previous study of waste management alternatives to address the overfill situation at the Boyne Road Landfill and determined that expanding the existing landfill was feasible from a technical and economic standpoint. The Township should also mention that landfill proposals of more than 100,000 m³ of capacity require an individual EA according to the <i>Waste Management Projects Regulation (Ontario Regulation 101/07)</i>.</p> <p>The waste management alternatives in the 2015 study can be the starting point for the development of alternatives to the undertaking; however, to fulfill EA requirements, the proponent must demonstrate that a reasonable range of alternatives were identified and evaluated with respect to all aspects of the environment (natural, social, cultural, economic, built etc.). In addition, there are requirements to consult on these alternatives as part of the EA.</p> <p>The ToR should outline how alternatives will be developed, assessed and consulted on. It is unnecessary to summarize the 2015 study in detail in section 4.1 as readers are directed to the appendix for more information on this background study.</p>	
2. Section 4.1 indicates that preliminary studies were undertaken to assess the potential impacts of expanding the landfill to the south and continuing to operate as a natural attenuation site as it is the only economically viable approach. As discussed, the assessment of different designs for the landfill (methods) and the impact assessment of the preferred undertaking (the project) should be completed during the EA. The development and evaluation of leachate management, landfill gas and stormwater management alternatives should be completed at the alternative methods stage.	Understood.	All discussion of 'Alternatives Methods' for expanding the existing landfill have been removed from the proposed ToR.	Addressed	

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
<p>3. On page 20, there is the statement “The MOECC technical staff considered that the approach taken was appropriate and that the results indicated that an expanded natural attenuation site with the proposed contaminant zone (CAZ) easements could be expected to satisfy the Reasonable Use Guideline (MOECC, 1994) requirements with an acceptable level of confidence.” Ministry staff should be consulted during the EA for input on alternative methods. There is also no supporting correspondence for this statement in the Record of Consultation.</p>	<p>It is correct that there is no supporting correspondence for this statement, as it was made during a meeting with the Technical Support Unit during preparation of the 2015 Waste Management Alternatives Evaluation study. That said, the statement does accurately reflect the outcome of that meeting.</p>	<p>The wording on this matter has been modified in Section 4.1 of the proposed ToR in response to this comment.</p>	<p>Addressed</p>	
<p>4. Section 4.2 mentions that the “Do Nothing alternative is not an alternative that could even be considered by the Township as it has basic requirements to provide municipal services and infrastructure for its ratepayers.</p> <p>The do nothing alternative is not intended to be considered as a reasonable way in which the problem or opportunity that prompted the initiation of the EA process can be addressed. It represents the benchmark against which the advantages and disadvantages of the alternatives being considered can be measured and compared.</p> <p>In the evaluation of alternatives to the undertaking, the do nothing alternative acts as a starting point for the comparison of the consequences and benefits of each alternative. The do nothing alternative cannot be screened out and has to be carried throughout the EA as a benchmark. The do nothing alternative needs to be clearly defined and carried throughout the EA process. For more information on the do nothing alternative please see section 5.2.5 of the Code of Practice.</p>	<p>Understood.</p>	<p>The Do Nothing Alternative has been included in the proposed ToR.</p>	<p>Addressed</p>	
<p>5. In Section 4.2 (Confirmatory Assessment of “Alternatives To”) the questions for identifying a reasonable range of alternatives in the ministry’s Code of Practice were used to determine a preferred alternative.</p> <p>Section 5.2.5 of the Code of Practice, states that proponents may identify a reasonable range of alternatives for consideration during the EA and offers a set of questions that can be used by proponents when determining the alternatives to be considered during the EA. These questions are designed to aid proponents in identifying an initial range of alternatives that may be within a proponent’s ability to implement, and that should be carried forward for further consideration during the EA process. These questions are for determining the range of alternatives that can address the problem or opportunity that prompted the initiation of the EA process. It should be noted that these questions are not intended to be used as a process by which the consideration of alternatives is limited to only those alternatives that are preferred by a proponent or as a process by which a preferred alternative is determined.</p>	<p>Understood.</p>	<p>Within Section 4.2 of the proposed ToR, the confirmatory assessment of ‘Alternatives To’ has been removed. The proposed ToR has been changed to assess ‘Alternatives To’ during the EA process.</p>	<p>Addressed</p>	

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Proponents may conduct an initial screening of alternatives before or at the ToR stage. This formal screening must include considerations of key environmental factors such as the potential impacts to the natural environment, potential cultural and socio-economic impacts and impacts to Indigenous and Treaty rights. Consultation on scoping alternatives to the undertaking should be carried out. The detailed screening results should be included in the supporting documentation appended to the ToR. Typically, it is the ministry's expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation.				
Section 5.0 Description and Rationale for "Alternative Methods"				
1. What is the rationale for not considering other landfill sites in the EA. it is recommended that this is considered in the EA consistent with the code of practice.	Understood. However, it is noted that considering other landfill sites would be an 'Alternative To' and not an 'Alternative Method' as described in Section 5.0 of the draft ToR.	The proposed ToR has been updated to include an evaluation of other landfill sites as one of the 'Alternatives To' as described in Section 4.2.	Addressed	
2. Section 5.1 discusses alternative leachate treatment options and states that it is expected that the only economically viable approach for the Township is to continue operating an expanded Boyne Road Landfill as a natural attenuation site. The identification and evaluation of alternative leachate management methods should be completed in the EA.	Understood.	Discussion of alternative leachate treatment options has been removed from Section 5.1 of the proposed ToR.	Addressed	
3. It is stated that based on the previous preliminary expansion concept (Golder, 2015) and the factors described in Section 5.1 that it is anticipated that the number of different expansion configurations to be evaluated in the EA be limited to two or three. The ToR should describe how a reasonable range of alternative methods will be identified. It appears that an expansion concept (preferred undertaking and project) has already been developed. Variations to a conceptual design are alternative methods that should be considered in the EA.	Understood.	The proposed ToR has been updated such that it is no longer focussed and the preferred 'Alternative To' will be determined in the EA. As such 'Alternative Methods' for expansion of the Boyne Road Landfill are no longer described in the proposed ToR. 'Alternative Methods' are described in a general way in Section 5.0 of the proposed ToR.	Addressed	

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
Section 6.0: Description of Existing Environmental Conditions				
<p>1. Section 6.0 provides a high-level description of the existing environment but does not provide information sources or indicate the geographic area considered when describing the different environmental components. There is limited information on background air quality under subsection 6.1 (Atmosphere). Subsection 6.5 (Land Use) should also indicate the locations of the nearest residences. A more detailed description of the built environment (infrastructure) at and surrounding the landfill site and any other landfill sites should also be included. Focussed assessments require more detail than unfocussed assessments.</p> <p>Subsection 5.2.6 of the Code of Practice indicates that the ToR should include a list and brief explanation of the tools (for example, studies, tests, surveys, and mapping) that will be used to provide a more detailed description of the environment in the EA. The list does not preclude the proponent from conducting additional or more detailed studies as part of the EA. If the proponent intends to use or may potentially use existing studies, this intention must be clearly stated in the ToR.</p>	Acknowledged.	Because of the changed approach to conduct an unfocussed EA and assess 'Alternatives To' in the EA, Section 6.0 of the proposed ToR provides a general description of existing environmental conditions in the regional study area, which is the Township of North Dundas.	Addressed	
<p>2. There is a statement "As agreed upon by the MOECC and the RSNPR, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the local Source Protection Plan (RSNPR, 2016). The ministry's Source Protection Programs Branch provided comments on May 9, 2017 which notes that the site is located in: an Intake Protection Zone (IPZ-3) with a vulnerability score of 7; a Highly Vulnerable Aquifer; and, a Significant Groundwater Recharge Area with a score of 6. This existing information could be incorporated into the ToR. Alternatively, the proponent could just indicate that source protection will be considered in the EA.</p> <p>Assessment of potential impacts should be conducted at the EA stage. Please remove wording that suggests that government review agencies agree that landfill expansion would not be a significant drinking water threat as information presented at the ToR stage is considered preliminary and the impact assessment is not completed.</p>	Acknowledged. Because this consultation did take place as part of the ToR preparation, it is considered appropriate to include a summary and the correspondence in the ToR documentation, with modifications to address the MECP comment.	The description of this pre-consultation with MECP SPPB and RSNPR has been moved to Section 4.1 of the proposed ToR; the wording requested by MECP to be removed has been removed and it is stated that the issue of source water protection will be further assessed in the EA, as appropriate.	Addressed	
<p>3. In Section 6.8, it is noted that the operating costs for the landfill are \$55,000. Please provide clarification on this figure as it is not understood if this is a yearly cost, as the document it refers to is the 2015 Golder Report and the timeframe is from December 2015 and November 2016.</p>	Acknowledged.	This section has been removed from the proposed ToR.	Addressed	

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
Section 7.0: EA Methodology				
<p>1. In this section, the study areas proposed: “site” and “site-vicinity” are limiting in scope.</p> <p>Section 5.2.6 of the Code of Practice states that the study area is where all activities associated with the undertaking will occur and where potential environmental effects will be studied. At the ToR stage, the off-site study area should be broad enough to cover all direct and indirect environmental effects that could result from a waste management proposal, as well as large enough to accommodate the identification of a reasonable range of alternatives to the undertaking. For municipalities, this is typically the municipal boundaries or service area.</p> <p>If the ToR proposes a focused EA to study a particular landfill site, the preliminary off-site study area should be large enough to encompass all waste management related activities. The ministry’s guideline D-4 Land Use On or Near Landfills and Dumps applies to all proposals for land use on or near any landfill or dump which contains municipal solid waste, industrial solid waste and/or sewage sludge. It mentions that the ministry considers the most significant contaminant discharges and visual problems to be normally within 500 metres of the perimeter of a fill area and that the ministry recommends this distance be used as a study area for land use proposals. However, this 500 metre buffer area is not appropriate for an EA study area because for the purposes of an EA, the study area should be broad enough to cover all direct and indirect environmental effects that result from landfilling activities such as waste hauling and off-site leachate disposal.</p> <p>Subsection 4.2.3 of the Code of Practice for Preparing and Reviewing Environmental Assessments in Ontario (January 2014) mentions that if the study area defined in the approved ToR was preliminary, the proponent will finalize its boundaries before describing the environment. The study area for each component of the environment may vary depending on the alternatives and the geographic extent of the potential environmental effects. It is important to clearly describe how and why the boundaries of the overall study area and the study area(s) for each environmental component were chosen to ensure that direct and indirect effects are assessed.</p> <p>At the alternative methods evaluation stage, study areas for individual impact assessments for each technical discipline can vary; however, the overall EA study area should encompass all of the discipline-specific study areas. All study areas, including discipline-specific study areas (e.g. air quality, cultural heritage, groundwater etc.), proposed at the ToR stage should be refined during the EA process in consultation with government agencies, Indigenous communities and interested members of the public.</p>	Acknowledged.	In the proposed ToR, section 7.0 has been deleted and a general description of EA assessment and evaluation methodology has been incorporated into Section 5.1. This includes the identification of appropriate study areas during the EA, depending on the preferred ‘Alternative To’ identified.	Addressed	

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
2. Subsection 7.3 should include a statement indicating that the criteria, indicators and data sources for the evaluation of alternative methods are preliminary. Government review team agencies, Indigenous communities and members of the public should have an opportunity to provide input on the criteria, indicators and data sources during the EA. By indicating that the criteria, indicators and data sources are preliminary it provides flexibility in the ToR.	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. Section 5.1 of the proposed ToR does contain a statement as suggested in the MECP comment.	Addressed	
3. Criteria pertaining to the built environment and financial costs are missing. Some of the indicators in Table 7.3-1 (e.g. biology, land use, archaeology, culture) need to be more specific to determine how potential impacts to environmental components will be measured. The built environment (roads, site infrastructure) as well as financial costs (capital, operation and maintenance, lifecycle costs) should be considered in the evaluation of alternative methods. Traffic effects should also be included as an evaluation criterion. Section 4.2.4 of the Code of Practice (Environmental Assessment) states that indicators are how potential effects will be measured for each criterion. It is recommended that definitions of criteria and indicators be included in the evaluation methodology outlined in the ToR. Indicators need to be measurable and/or reportable to be able to ascertain a change to the environmental criterion.	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. A set of proposed general preliminary evaluation criteria for comparison of 'Alternatives To' are provided in Section 4.2 of the proposed ToR. A set of typical environmental components that would be evaluated to compare 'Alternative Methods' are listed in Section 5.1 of the proposed ToR.	Addressed	
4. On page 43, "Continued service to residents" is listed as an environmental sub-component. Providing "Continued service to residents" is part of the purpose for carrying out the EA and not an environmental criterion. Other sub-components can be added to assess effects to local residents such as traffic and litter.	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR.	Addressed	
5. The socio-economic category does not include financial evaluation criteria. Examples of financial criteria are capital, operation and maintenance, as well as overall lifecycle costs as an EA looks at the impacts of all phases of the proposed undertaking (planning, detailed design, tendering, construction, operation, closure and decommissioning).	Acknowledged.	See action taken as per response to comments 1 and 3 on this section of the draft ToR.	Addressed	
6. Subsection 7.5.3 (Task 3 – Qualitatively Assess the 'Alternative Methods' for Landfill Expansion) mentions that the EA project team will qualitatively predict the effects for each "Alternative Method". The evaluation of alternative methods with respect to different components of the environment can be qualitative or quantitative. Please provide an explanation as to why the alternative methods evaluation will consist of only a qualitative assessment.	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. The general methodology provided in Section 5.1 of the proposed ToR indicates that qualitative or quantitative methods could be used, as appropriate of that environmental component.	Addressed	

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
Similar to a quantitative analysis, a qualitative analysis should be based on objective data and references/sources. A qualitative analysis should follow appropriate traceable and replicable methodology. Qualitative assessments are encouraged where quantitative information is not available and thus a quantitative analysis is not possible. If known, the proponent should identify the specific evaluation methodology that will be used to assess the proposed project (e.g. reasoned argument approach).				
<p>7. Subsection 7.5.3, pg. 43 mentions that each “Alternative Method” of the Boyne Road Landfill expansion will be examined to determine if it would ultimately be approvable under the Environmental Protection Act. It also mentions that “At this point, the EA project team may also consider additional alternatives to the project that may have been identified by the public or other parties during the EA process”.</p> <p>The potential approvability of the alternative method is typically considered when determining a reasonable range of alternative methods to carry forward to a detailed evaluation. The addition of alternative methods based on input from consultation activities should be part of Task 2 – Develop the ‘Alternative Methods’ of Landfill Expansion.</p>	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. This has been removed in the proposed ToR.	Addressed	
<p>8. Subsection 7.5.4 mentions that the alternatives will be compared qualitatively using the sub-components and indicators presented in Table 7.6-1 and the advantages and disadvantages will be described.</p> <p>When completing the evaluation of alternative methods, each method should first be compared against the ‘do nothing benchmark (existing baseline conditions) to measure the consequences of each alternative method on the environment. The evaluation process examines trade-offs, in which the advantages and disadvantages of each alternative are weighed in terms of their net effects, both positive and negative, on the environment. This should be mentioned in the ToR.</p>	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. Section 5.1 of the proposed ToR describes comparison with the Do Nothing alternative in the general methodology.	Addressed	
<p>9. Subsection 7.5.7 mentions that the cumulative effects assessment will consider the net effects of the project combined with the predicted effects of other existing and identified certain and probably projects in the area of the site, where the effects would overlap.</p> <p>Section 4.3 of the Code of Practice encourages the proponent to include information about potential cumulative effects of the project in combination with past, present and reasonably foreseeable future activities where possible. Proponents are advised to consult with government agencies to identify any already-approved projects that will be built in the future and to consider their potential cumulative impacts to the extent possible. Please include this as a commitment in the ToR. The study areas for cumulative effects assessments typically encompass areas larger than the area in the vicinity of the landfill site.</p>	<p>The description provided in Section 7.5.7 of the draft ToR was intended to fulfil the description of cumulative impact assessments as per Section 4.3 of the Code of Practice.</p> <p>It should be recognized that in any area selected for waste management in this largely rural and expected low growth municipality, there is likely to be a limited number of existing and planned projects. Also, the study area for cumulative effects assessment is not considered to necessarily be larger than the study areas associated with assessment of impacts for the preferred ‘Alternative To’, since the potential impacts have to overlap in time and space.</p>	See action taken as per response to comment 1 on this section of the draft ToR. Cumulative effects assessment is described as a component of the EA in the general methodology provided in Section 5.1 of the proposed ToR.	Addressed	

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
<p>10. Climate change effects on the project only consider impacts to the stormwater management system. Effects of climate change on the leachate management system and stability of waste pile slopes are other infrastructure components that should be considered.</p> <p>Please refer to ministry's guide "Considering climate change in the environmental assessment process (2017)" for climate change assessment resources.</p>	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. Climate change effects assessment is described as a component of the EA in the evaluation and assessment methodology provided in Section 5.1 of the proposed ToR.	Addressed	
<p>11. Subsection 7.6 indicates that the "EA work plans may be updated and revised throughout the EA process based on continuing discussions with stakeholders."</p> <p>More detailed work plans are developed at the EA stage. The ToR should state that the work plans are preliminary and will be further refined/developed in consultation with agency stakeholders, Indigenous communities and the public at the beginning the EA.</p>	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. With an unfocussed EA, preliminary technical work plans are not part of the proposed ToR. Section 5.1 of the proposed ToR describes the preparation of detailed work plans during the EA as per the MECP comment.	Addressed	
<p>12. Table 7.6-1 (Draft Proposed Work Plans) indicates that the qualitative evaluation of 'Alternative Methods' will involve describing the differences between 'Alternative Methods' and ranking each alternative.</p> <p>More description on how alternative methods will be evaluated in the EA is needed in the ToR. The evaluation of alternative methods is a detailed assessment and often involves modelling activities to determine potential effects, such as air quality effects, stormwater effects, contaminating lifespan for leachate and landfill gas etc. for each alternative method.</p>	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. With an unfocussed EA, preliminary technical work plans are not part of the proposed ToR.	Addressed	
Section 8.0 (now 7.0): Consultation				
<p>1. The government review team agencies contacted should be listed in Section 8.1.1 (Notice of Commencement and Open House #1).</p> <p>Section 8.0 should provide a list of the government review team agencies contacted and summarize comments and feedback received from each agency.</p> <p>Please note that the Environmental Assessment Government Review Team Master Distribution List in the Record of Consultation is dated November 2016. A more current list is available from the ministry and will be useful in updating the EA contact list. An updated list is provided as an attachment to this memo.</p>	<p>Understood.</p> <p>All feedback received from the GRT was provided in Section 8.0 of the draft ToR and therefore no change has been made to the proposed ToR in this regard.</p> <p>An updated Environmental Assessment Government Review Team Master Distribution List was provided to the Township by the MECP in November 2018 and it was reviewed ...</p>	The government review team agencies contacted are provided in Volume 3-Appendix B and have changed through the process of the ToR development as feedback has been received from these agencies. The listing of agencies has been added to Section 8.1.1 of the proposed ToR.	Addressed	

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
<p>2. Table 8.1-1 (Stakeholder Responses) only summarizes responses from agency stakeholders regarding the Notice of Commencement of the ToR.</p> <p>Section 5.3.1 of the Code of Practice indicates that the proponent must clearly and accurately summarize the comments made by all interested persons during the preparation of the ToR.</p> <p>Section 8.0 should contain summary tables that outline comments and proponent responses to questions/inquiries from the public as well as those provided by MECP, other agency stakeholders and Indigenous communities.</p>	<p>As stated in Section 8.1.1, Table 8.1-1 summarizes all GRT responses received on the NOC and Open House #1. Section 8.1.1 also states only one member of the public commented on the Open House #1 material with regard to ranking of criteria presented. No other comments on the NOC or Open House #1 were received.</p> <p>As stated in Section 8.1.2, no comments related to the ToR were received from the public or GRT with regard to Open House #2.</p> <p>As stated in Section 8.1.3, all GRT groups who provided comments are listed and a brief summary of their concerns is provided with greater detail provided in Volume 3-Appendix G3. No comments were received from the public</p> <p>As outlined in Section 8.1.4, only one Indigenous community engaged with the Township and they expressed a desire to be involved in any archaeological studies completed at the Boyne Road Landfill site.</p>	<p>No change. Note that Section 8.0 of the draft ToR is Section 7.0 of the proposed ToR.</p>	<p>Addressed</p>	
<p>3. On page 61, the statement “As agreed upon by the MOECC and the RSNPR, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the local Source Protection Plan (RSNPR, 2016)” appears again in sub-section 8.1.3.</p> <p>The Record of Consultation includes a memo from the ministry’s Source Protection Programs Branch which provides comments and suggestions on items that need further consideration. These comments as well as an indication of how the proponent has addressed the comments should be included in a summary table in Section 8.0 of the ToR. It is also unclear from Section 8.0 or the Record of Consultation as to whether the South Nation Conservation Authority was consulted during the ToR.</p>	<p>See response to MECP comment 2 on Section 6.0 of the draft ToR. It is noted that Volume 3- Appendix F contains a memorandum that provides a technical assessment of the comments and suggestions provided by SPPR, which was provided in the circulation of the draft ToR. The draft ToR circulation included SPPR, who did not provide comment. The correspondence in Volume 3- Appendix F shows that SNC was consulted on this matter. It is also noted that SNC is part of the GRT list.</p>	<p>The description of this pre-consultation with MECP SPPB and RSNPR has been moved to Section 4.1 of the proposed ToR.</p>	<p>Addressed</p>	

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
<p>4. Sub-section 8.1.4 (Consultation with Indigenous Communities) references a letter from the ministry “explaining that there was no immediate duty to consult with all but the Algonquins of Ontario Consultation Office, the Mohawks of Akwesasne and the Huron-Wendat Nation”. The Community Engagement Plan in the Record of Consultation should include a list of Indigenous communities to consult.</p> <p>The letter from the ministry which formally delegates the procedural aspects of the Crown’s duty to consult to the proponent provides a list of communities that should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that could be adversely affected by the undertaking based on preliminary information. The letter does not indicate that there is “no immediate duty to consult” with other communities.</p> <p>Sub-section 8.1.4 should state that the ministry has delegated the procedural aspects of consultation with Indigenous communities to the proponent. The section should include an overview of the proponent’s responsibilities. Please note that Indigenous communities should not be referred to as stakeholders in the Community Engagement Plan found in the Record of Consultation.</p>	<p>Acknowledged.</p> <p>It is noted that the Community Engagement Plan in the Record of Consultation was prepared in November 2016, in advance of the NOC and the MECP providing the listing of Indigenous communities to engage for consultation. As such it is not considered necessary to include the list of Indigenous communities within the Community Engagement Plan.</p>	<p>The wording in regard to the duty to consult has been modified in the proposed ToR.</p>	<p>Not addressed</p> <p>Please see MECP responses to (executive summary) comment #4.</p> <p>Consulting with Indigenous communities is intended to allow the proponent to identify, consider and respond to potential concerns and issues of Indigenous communities in addition to provide those communities with an opportunity to receive information about, and have meaningful input into the development of the ToR and EA. Some Indigenous communities have developed guidelines and protocols for consultation; therefore, specific approaches for engaging with Indigenous communities should be reflected in consultation plans developed for the ToR and EA.</p>	<p>The wording in the executive summary and Section 7.2.4 has been modified.</p>
<p>5. In Section 8.2, it is noted that a Draft EA will be circulated to the public for a period of 5 weeks. Please note that this timeframe will need to be discussed with MECP staff and may require additional time. We would suggest that this wording be removed from the ToR. In addition, please include other stakeholders and agencies into this section, as the reference is only to public comments.</p>	<p>Acknowledged.</p>	<p>The wording has been modified in the proposed ToR as per the MECP comment.</p>	<p>Addressed</p> <p>Please also include the commitment to circulate a draft EA in section 9.0 (EA Schedule) and Table 10.1-1 (List of ToR Commitments).</p>	<p>The commitment to circulate a draft EA has been added to Section 9.0 (EA Schedule) and Table 10.1-1 (List of ToR Commitments).</p>
<p>6. With Regards to the Consultation Plan itself, it is noted that the description of the plan appears to be inadequate. Typically, a consultation plan includes the following:</p> <ul style="list-style-type: none"> ○ Objectives; ○ General consultation methods proposed; ○ How input will be obtained; ○ Description of key decision-making milestones; ○ Issue resolution strategy; ○ A statement that the proponent will consider flexibility; ○ Aboriginal consultation plan – needs to be designed to encompass unique needs of Aboriginal communities - language, communication styles, preferences, access to communication tools. <p>Please refer to Section 5.2.9 of the ToR Codes of Practice for more information on consultation plans.</p>	<p>Acknowledged.</p> <p>It is noted that the ToR Code of Practice indicates that in choosing the most appropriate level of consultation, the proponent should consider the complexity of the proposed undertaking, the level of potential concerns and controversy, and the extent of the potential environmental effects of the proposed undertaking. It should be noted that the Township does not consider this proposed undertaking as complex, and the consultation record of the draft ToR demonstrates the lack of potential concern or controversy. It has been demonstrated that there is very little interest or concern regarding this undertaking. As such it is appropriate that this is considered with regard to this Consultation Plan.</p>	<p>The current format of the Consultation Plan is similar to other approved plans in other waste ToRs. Nevertheless, the Consultation Plan has been updated in Section 7.2 of the proposed ToR to include the information requested.</p>	<p>Not addressed</p> <p>As the community engagement plan was developed in November 2016, the ministry recommends that a commitment be made in the ToR to update the plan during the EA so that it meets the requirements outlined in Code of Practice: Consultation in Ontario’s Environmental Assessment Process (2014).</p>	<p>The commitment to update the community engagement plan during the EA has been added to Table 10.1-1 (List of ToR Commitments).</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response	Township of North Dundas Response
Section 9.0 (now 8.0): Other Regulatory Approvals				
1. It is recommended that a commitment be made in this section indicating that the list of regulatory approvals is preliminary and is subject to changes and refinement during the EA based on consultation with regulatory agencies.	Acknowledged.	Because of the change to an unfocussed EA, this section has been modified to be more general in the proposed ToR.	Addressed	
Section 11.0 (now 10.0): Commitments and Monitoring Strategy				
1. Only one commitment is listed in Table 11.1-1 (List of Commitments). As per section 5.2.8 of the ToR Code of Practice, a commitment statement should be included in the ToR to develop a monitoring framework during the preparation of the EA. The monitoring framework will consider all phases of the proposed undertaking (planning, detailed design, tendering, construction, operation, closure and decommissioning). Where appropriate this framework must include compliance monitoring and effects monitoring. Table 11.1-1 should include a summary of all ToR commitments that address specific comments and concerns raised during the preparation of the ToR. This ToR commitments table serves to demonstrate that the EA was carried out in accordance with the approved ToR when a final EA is submitted to the ministry.	The commitment statement regarding a monitoring framework is in Section 11.2 of the draft ToR (now Section 10.2 of the proposed ToR).	A summary of all ToR commitments is provided in the table in Section 10.1 of the proposed ToR.	Partially addressed Please ensure that all commitments made in the ToR are captured in Table 10.1-1 (List of ToR Commitments).	As requested in specific MECP comments, the following commitments have been added to Table 10.1-1 (List of ToR Commitments): <ul style="list-style-type: none">• Circulate the draft EA• Update the community engagement plan• Provide a detailed description of the proposed project once the preferred 'Alternative Method' has been identified. It is considered that all commitments made in the ToR are now captured in Table 10.1-1.

Reference Documents:

Ministry of the Environment. January 2014. Code of Practice: Consultation in Ontario's Environmental Assessment Process. <https://dr6j45jk9xcmk.cloudfront.net/documents/1792/3-8a-1-consultation-in-ontarios-ea-process-en.pdf>

Ministry of the Environment. January 2014. Code of Practice: Preparing and reviewing terms of reference for environmental assessments in Ontario. <https://www.ontario.ca/page/preparing-and-reviewing-terms-reference-environmental-assessments-ontario>

Ministry of the Environment, Conservation and Parks. April 2018. Food and Organic Waste Policy Statement. <https://www.ontario.ca/page/food-and-organic-waste-policy-statement>

Ministry of the Environment, Conservation and Parks. November 2018. A Made-in-Ontario Environment Plan. <https://www.ontario.ca/page/made-in-ontario-environment-plan>

Ministry of the Environment. March 2007. Guide to environmental assessment requirements for waste management projects. <https://www.ontario.ca/page/guide-environmental-assessment-requirements-waste-management-projects>

Comment Received	Township of North Dundas Response	Updates to ToR
Adam Sanzo, Project Officer, Environmental Assessment and Permissions Branch Ministry of the Environment, Conservation and Parks, April 16, 2019		
General Comments		
1. As the reported diversion rates for residential, non-hazardous, solid waste is approximately 23 to 25%, and the diversion rate for the non-residential fraction of waste disposed of at the Boyne Road Landfill is unknown, it appears that there is additional opportunity for diversion. Therefore, the ministry recommends that the title of the EA be changed to reflect that the Township will be considering ways of managing municipal, non-hazardous solid waste, rather than residual waste. As such, the title of the project is suggested to be changed to “The Township of North Dundas Waste Management Plan. In addition, all other references in the document to the term “residual waste management” should be changed to be consistent with the title.	<p>The noted diversion rate for residential, non-hazardous, solid waste is similar to other Ontario municipalities of a similar size to the Township.</p> <p>The title of the EA has not been updated as the problem identified for this EA is residual waste management. Diversion can provide input to the magnitude of the problem, but diversion is not the problem nor do diversion initiatives require an EA.</p>	The Township has updated the ToR such that enhanced at-source residential waste diversion will be evaluated and included in the EA. A commitment to complete a waste diversion study has been added to Section 10.1 of the ToR.
2. The date on the footer indicates “March 2018”- please correct to March 2019 (or April 2019 for the next iteration of the document).	The ToR has been updated to reflect this change.	Date in the footer has been updated to June 2018.
3. References to “the Project” in headings, the table of contents and in the text should be changed to “the undertaking” as the undertaking is the activity (e.g. increasing waste disposal capacity) that the EA will be studying. A project is defined after the preferred undertaking and method for carrying out the undertaking has been determined. Please ensure the description of the Project in Section 3.4 is consistent with the wording in the Executive Summary (comment above).	In Section 1.0 comment #2 received from the MECP dated December 3, 2018, the MECP requested that references to “project” in the ToR should be changed to “EA study” or “undertaking”. The understanding of the term “undertaking” has the potential to be less understandable by the public than the term “EA Study”, and therefore the term “EA Study” has been selected.	The ToR has been updated to refer to the project / undertaking as the “EA Study” as requested in the comments received from the MECP dated December 3, 2018 in Section 1.0 comment #2.
Executive Summary		
1. On pg. iv, Description of the Project- a change to the description may be required as it may be a bit too vague. Consider changing to “The Township is seeking to secure up to 400,000m³ of additional waste disposal capacity from 2022 to 2047 (25-years) as the Boyne Road Landfill is currently at capacity, and the EA will be investigating long-term solid waste management options to achieve this objective.”	The ToR has been updated to reflect the change requested.	The requested change to make the wording more definitive has been made to the Description of the Project in the Executive Summary and in Section 3.0.
2. On pg. v, please rearrange steps 1 and 3 to show that the study areas will be identified prior to characterizing the environmental conditions. Please also add wording to step 6 to show that assessment of potential effects will be done relative to baseline environmental conditions.	The ToR has been updated to reflect the change requested.	<p>Steps 1 and 3 have been rearranged as requested to show that the study areas will be identified prior to characterizing the environmental conditions.</p> <p>Additional wording was added to step 6:</p>
3. On pg. viii. Reference to “draft EA” is made in the sentence “The <u>draft EA</u> was circulated for a five-week public comment period prior to finalization and submission to the MECP of this proposed ToR for approval”. Please change to “Draft ToR.”	The ToR has been updated.	The term “draft EA” has been changed to “draft ToR”.

Comment Received	Township of North Dundas Response	Updates to ToR
4. On pg. viii. The dates in the “Overview of EA Schedule” are too specific. Please consider removing specific months that the proponent believes the approvals will be made for both the ToR and the EA. Consider rewording to “Following circulation of the draft ToR for comments, the proposed ToR is being submitted for the Minister’s approval. The EA studies will be carried out following ToR approval and a draft and final EA will be submitted for the Minister’s approval. Processes to obtain the other approvals required to implement the project will proceed after EA approval.”	Comment acknowledged.	It is considered appropriate to leave the dates as it relates the submission and anticipated approval of the ToR, since that is the basis for setting 2022 as the date for being able to implement the preferred project identified from the EA Study. The date related to submission of the EA have been removed as per the MECP request. These changes have been made in both the Executive Summary and in Section 9.0.
Section 1.0: Introduction		
1. On pg 1, the sentence “An overall map of the Township, which comprises the project Study Area, is provided on Figure 1.0-1” should be changed to “An overall map of the Township, which comprises the <u>EA</u> Study Area, is provided on Figure 1.0-1”.	The ToR has been updated to reflect the change requested.	The ToR has been updated as requested to add the term “EA” to the sentence on page 1 of the ToR that now reads as follows: “An overall map of the Township, which comprises the EA Study Area, is provided on Figure 1.0-1”.
2. MECP suggests that the existing haul routes be delineated on figures 1.0-1 and/or 1.0-2 to better understand the current landfill operation.	It is noted that there is not a Figure 1.0-2 in the revised March 2019 ToR. Figure 1.0-1, which is an overall map of the Township, shows that the existing landfill is located on the south side of Boyne Road, and can only be accessed from along Boyne Road from either the west (Winchester) or the east (from the Chesterville area). As described in the ToR, the Township provides residential collection from the whole Township; for the collection vehicles to access the landfill site, they must travel on Boyne Road, which is the single haul route to the site.	The section of Boyne Road east of Winchester and its connection to Chesterville have been identified on Figure 1.0-1 as the main haul route to the Boyne Road landfill.
Section 3.0: Rationale and Description of the Undertaking		
1. Section 3.2 needs to include wording that the landfill being filled to overcapacity is also a problem and was what started this EA planning process.	Comment acknowledged.	Section 3.2 has been updated to address this comment.
2. On pg. 18, consider revising the first sentence on the page to “Based on the above assumptions and projection, the waste management plan for 25 years beyond 2022 will have to accommodate waste corresponding to the consumption of approximately 400,000 m ³ (to be confirmed during the EA) of landfill airspace (including cover).	The 400,000 cubic metres of airspace is for waste and daily cover only and does not include final cover. The volume that will be consumed by the final cover depends on the landfill design and geometry and is not possible to estimate at the ToR stage.	The sentence has been revised to add “(to be confirmed during the EA) and “(excluding final cover)”.
Section 4.0: Assessment of ‘Alternatives To’ to the Project		
1. MECP suggests that Section 4.0 heading should be changed to “Range of Alternatives to be Evaluated in the EA.” Please ensure changes are also made to the table of contents.	The ToR has been updated to reflect the change requested.	The ToR Section 4.0 heading has been changed as requested to “Range of Alternatives to be Evaluated in the EA”.

Comment Received	Township of North Dundas Response	Updates to ToR
2. On pg. 27, the final paragraph that speaks to the consultation related to the 2015 study should be removed from this section and moved to the consultation section of the ToR.	Comment acknowledged.	The final paragraph of Section 4.1 that speaks to the consultation related to the 2015 study has been moved to the consultation section of the ToR and was placed as new Section 7.1 under a new heading, “Consultation Activities Completed Prior to the ToR”. A comment was added to Section 4.1 as a cross-reference to Section 7.1:
3. Section 4.2- the heading should be changed to better reflect the context. MECP suggests 4.2 be renamed to “Development and Evaluation of Alternatives to the Undertaking”. Please ensure changes are also made to the table of contents.	Comment acknowledged.	It is proposed that the heading of Section 4.2 remain as “Development and Evaluation of Alternatives To,”, to be consistent with not using the word ‘undertaking’ in this ToR (as explained in the response to General Comment 3 above).
4. The sentences included at the end of Alternatives 1-3 (i.e. “This alternative is within the capability of the Township to undertake”) can be removed as it is already mentioned in this section that alternatives listed here are reasonably available to the Township.	Comment acknowledged.	In Section 4.2, the sentences included at the end of Alternatives 1-3, “This alternative is within the capability of the Township to undertake”, have been removed as requested.
5. Waste diversion is an alternative to the undertaking that should be considered in the EA. Waste diversion activities affect the amount of waste disposal capacity needed, and the Environment Plan gives the direction to look at ways to reduce the amount of waste going to landfills or becoming litter. Although waste diversion programs and recycling facilities are not subject to EA Act requirements, they need to be considered in the context of waste management EAs.	Comment acknowledged.	Provision for enhanced at-source residential waste diversion has been added to the “Alternatives To” to be considered in the EA in Section 4.2 of the ToR.
6. On pg. 30, in the “Technical Considerations” section of the table, some of the criteria are unclear. For instance, for the bullet “Ability of the Township to implement”, does this refer to the technical skills and expertise of Township staff to construct and operate? Also, the “Suitability of the alternative to address the problem” is not a technical evaluation criterion and has already been considered when developing a list of alternatives to the undertaking. Therefore, it can be removed from this section of the table. Finally, for “Technical risks associated with the alternative”, please revise.	The ToR has been updated to reflect the comments received.	<p>In the Technical Considerations section of the table located in Section 4.2, the following changes have been made:</p> <p>The sentence that reads “Ability of the Township to implement” has been updated to, “Ability of the Township to operate”.</p> <p>The sentence that reads “Suitability of the alternative to address the problem” has been removed.</p> <p>The sentence that reads “Technical risks associated with the alternative” has been revised to “Technical risks associated with the operation of the alternative”.</p>
Section 5.0 Description and Rationale for “Alternative Methods”		
1. MECP suggests that Section 5.0 heading should be changed to “Development and Evaluation of Alternative Methods.” Please ensure changes are also made to the table of contents.	Comment acknowledged.	As requested, the heading of Section 5.0 has been renamed to “Development and Evaluation of Alternative Methods”.

Comment Received	Township of North Dundas Response	Updates to ToR
2. MECP suggests that the sentence “Since the preferred ‘Alternative To’ is not known and will be identified during the EA, it is not possible to describe the rationale for development of the ‘Alternative Methods’ in this ToR” be removed.	Comment acknowledged.	The sentence, ““Since the preferred ‘Alternative To’ is not known and will be identified during the EA, it is not possible to describe the rationale for development of the ‘Alternative Methods’ in this ToR”, has been removed as requested.
3. In section 5.1, MECP suggests rearranging the bullets so that the identification of study areas comes before characterizing the existing environmental conditions.	Comment acknowledged.	The bullets in Section 5.1 have been rearranged as requested to place the identification of study areas before the characterization of existing environmental conditions. Bullet number 1 is now, “Identification of the appropriate Study Areas and time frames where potential effects from the preferred ‘Alternative To’ will be studied”.
4. The fourth bullet indicating “environmental components” is suggested to be reworted to “environmental criteria based on the different components of the environment”	Comment acknowledged.	As requested, the term “environmental components” has been changed to “environmental criteria” in the fourth bullet of Section 5.1. The last sentence of the fourth bullet that read, “In general, the environmental components typically include some or all of atmosphere, geology and hydrogeology, surface water, biology, land use, archaeology and cultural heritage, socio-economic, transportation and site design & operational considerations”, has been revised.
Section 7.0: Consultation		
1. On page 74, there is reference to “Raison Region Conservation Authority.” This is a typo- please correct to “Raisin Region Conservation Authority.”	Comment acknowledged.	The spelling of Raisin has been corrected.
2. On page 76, the text “A NOC of the commencement” should be changed to “A NoC...”	It is noted that in the glossary and introduction of the ToR that Notice of Commencement is defined using the acronym NOC for use throughout the document and is consistently referred to as NOC throughout the ToR. It is understood that the MECP would like the acronym to be changed to NoC.	The acronym NOC has been changed to NoC in the ToR as requested.
Section 9.0: EA Schedule		
1. MECP suggests that the text “documented by addendum to the EA...” be revised as the addendum process does not apply to individual EA’s. Please consider changing text to indicate that EAs can be amended under special circumstances before a Minister’s decision.	Comment acknowledged.	The sentence, “It is proposed that any supplementary evaluations, responses and/or clarifications required by this review process will be documented by addendum to the EA or other appropriate method” has been updated in the ToR.

Comment Received	Township of North Dundas Response	Updates to ToR
2. MECP suggests that the sentence “The Township is proposing to submit applications for other EPA/OWRA approvals and supporting documents required to proceed to implement the project following receipt of EA approval” be removed as it is not part of the EA schedule.	Comment acknowledged.	The sentence, “The Township is proposing to submit applications for other EPA/OWRA approvals and supporting documents required to proceed to implement the project following receipt of EA approval” has been moved to the end of the last paragraph of Section 8.0.
Section 10.0 Commitments and Monitoring Strategy		
1. In the list of ToR commitments, ID 4- MECP suggests that the wording “Alternative To” be changed to “Alternative method” as it is more applicable in this context.	Comment acknowledged.	The Township has made the requested change in the wording and has also moved this commitment within Table 10.1-1.
2. ID 6- please consider rewording as study areas are not only for determining impacts from the preferred “alternative to”. A study area is where the direct and indirect effects of all alternatives will be studied. Therefore, determination and rationales for study areas for the assessment of environmental effects for both alternatives to the undertaking and alternative methods, need to be described in the EA.	Comment acknowledged.	The wording of this commitment has been modified as requested.
3. MECP suggests that a commitment be added to the table to circulate the Draft EA to the public and stakeholders.	Comment acknowledged.	A commitment to circulate the draft EA to the public and stakeholders has been added to Table 10.1-1.
Adam Sanzo, Project Officer, Environmental Assessment and Permissions Branch Ministry of the Environment, Conservation and Parks, July 5, 2019		
There is still frequent mention of residual waste. In the glossary it is defined as “The waste material that cannot be diverted through recycling or other processes and requires disposal” but in Section 3.2 it is defined as “Residual solid waste is the waste remaining for disposal/incineration/export after diversion/recycling activities.” I understand that you may be referring to post-diversion waste (waste after at-source diversion activities); however when it says the emergency ECA requires the Township to evaluate long term <i>residual</i> waste management alternatives or that the 2015 Golder study looked at long-term <i>residual</i> waste management alternatives, this wording is inconsistent because the ECA or the 2015 Golder study does not use the term. The ECA condition mentions a long-term waste management plan. The 2015 Golder study mentions residual materials as bottom ash from incineration. The document should just say waste for disposal or long-term waste management plan and remove references to residual for clarity. This correction needs to be made wherever the rationale for the EA study is mentioned (Exec summary, section 3.1).	Comment acknowledged.	The Township has removed the word residual when referring to the rational for the EA including the executive summary and Section 3.1.
There is still wording saying that the MECP advised that “a reduced list of Indigenous communities was appropriate for this EA study via letter.” This sentence should be removed throughout the document (Exec summary and section 7.2.4).	Comment acknowledged; however, it is considered appropriate that the wording be revised and not removed because the MECP did provide a letter, which is included in the Volume 3 Consultation Record, advising the Township of three communities that have or could have constitutional or Indigenous treaty rights that could be affected by the outcome of the EA study, and should be consulted in the EA.	Wording updated in the executive summary and Section 7.2.4 such that it no longer reads that the MECP provided a reduced list of Indigenous communities, but rather the MECP identified three communities with existing or potential constitutional or Indigenous treat rights that should be consulted in this EA process.
The ToR presents an EA schedule (Exec summary and Section 9) that says that “following circulation of the draft ToR for comments, the proposed ToR is being submitted for the Minister’s approval in June 2019”. This wording should be changed. More appropriate wording is “this ToR is subject to a 30-day comment period which will be followed by a Minister’s decision on the ToR.”	Comment acknowledged.	Wording in the executive summary and Section 9 of the ToR has been updated as requested.

Comment Received	Township of North Dundas Response	Updates to ToR
The terms in the glossary should be reviewed for accuracy and to ensure that the definitions are generic for consistency. There is reference to the Boyne Road Landfill under “site life”. “Undertaking” is defined as the activities associated with the EA for the proposed residual waste management plan, as described in this ToR or the EA Study. The EA Act and Codes of Practice define “undertaking” which the proponent should use. The definition for “Terms of Reference” mentions the Ministry of the Environment and Climate Change (please ensure that our current ministry name is used throughout document- Ministry of the Environment, Conservation and Parks).	Comment acknowledged, all terms in the glossary were reviewed.	<p>Terms within the glossary such as “undertaking”, “terms of reference” and several others have been updated such that their definitions are consistent with the EA Act and/or the MECP Codes of Practice.</p> <p>“Site life” has been removed from the glossary. The only reference to “site life” is in Section 3.1 of the ToR and it has been removed and the sentence modified.</p> <p>The ToR was thoroughly checked and identification of the MECP by former names or acronyms has been changed to MECP and/or Ministry of Environment, Conservation and Parks, including the references.</p>
<p>Section 2.1 incorrectly references Section 4 of O. Reg 101/07 saying that “long-term residual waste management for modified landfill volume or incineration without energy from waste (EFW) is subject to an EA because disposal capacity for more than 100,00m3 is expected to be required and greater than 10 tonnes of waste per day is expected respectively”. The proponent should endeavour to use the actual language in the regulation below:</p> <p>Change to landfilling site or dump, increase in total waste disposal volume</p> <p>4. A change to a landfilling site or dump is defined as a major commercial or business enterprise or activity and is designated as an undertaking to which the Act applies, if the total waste disposal volume of the landfilling site or dump after the change would exceed by more than 100,000 cubic metres the total waste disposal volume that the landfilling site or dump was authorized to have under the Environmental Protection Act before the change. O. Reg. 101/07, s. 4.</p>	Comment acknowledged. Section 2.1 was not supposed to reference Section 4 of O. Reg. 101/07, but rather other requirements of O. Reg. 101/07 as well.	Text in Section 2.1 has been updated such that the reference to O. Reg. 101/07 is more generic.
Section 3.1 mentions that “As an Ontario municipality responsible for providing waste services for its ratepayers, the Township’s objective in undertaking this EA is to obtain approval for a long-term solution for residual waste disposal while concurrently evaluating diversion opportunities that <u>will describe the residual waste management need</u> over the planning period.” More appropriate wording would be “while concurrently evaluating diversion opportunities <u>to reduce of the amount of waste generated for disposal</u> over the planning period.”	Comment acknowledged.	The Township has updated the executive summary, Sections 3.1 and 3.2 to reflect that diversion opportunities can reduce the amount of waste generated for disposal, as requested.
Section 3.1 should include the section number (6.8) of the Food and Organic Waste Policy Statement that states that “ <i>Proponents of new or expanded waste management systems for disposal should consider resource recovery opportunities for food and organic waste.</i> ”	Comment acknowledged.	Section 3.1 of the ToR has been updated such that section 6.8 of the Food and Organic Waste Policy Statement has been referenced, as requested.
“MECP Policy” is mentioned a few times in the document (Sections, 3.1, 3.2, 7.3). More than one policy applies (e.g. Provincial Policy Statement, Food and Organic Waste Policy Statement), and the policies are cabinet-approved Provincial policies, not just MECP policies. More appropriate term would be “Provincial policies.”	Comment acknowledged.	The Township has updated the wording from MECP Policy to Provincial policy(ies) as appropriate in Sections 3.1, 3.2 and 7.3 of the ToR, as requested.
Section 3.2 mentions a provincial “residential diversion target of 60%”, please confirm the source. Section 2. (Targets) of the Food and Organic Waste Policy Statement outlines targets and municipalities to which they apply. Not sure where the 60% comes from.	The reference source of the 60% residential diversion target is outdated and superseded by the Strategy for a Waste-Free Ontario: Building the Circular Economy, February 2017.	The executive summary and Section 3.2 of the ToR has been updated to reflect diversion targets specified in the Strategy for a Waste-Free Ontario: Building the Circular Economy, February 2017.

Comment Received	Township of North Dundas Response	Updates to ToR
In section 4.2, page 27- it appears that the descriptions for Alternative 5 (do nothing) and Alternative 6 (diversion) are not consistent with the ones listed previously on page 26 (alt. 5 is diversion and alt. 6 is do nothing)- please revise and correct this inconsistency.	Comment acknowledged.	The inconsistency in Section 4.2 has been corrected.

Reference Documents:

Ministry of the Environment. January 2014. Code of Practice: Consultation in Ontario’s Environmental Assessment Process. <https://dr6j45jk9xcmk.cloudfront.net/documents/1792/3-8a-1-consultation-in-ontarios-ea-process-en.pdf>

Ministry of the Environment. January 2014. Code of Practice: Preparing and reviewing terms of reference for environmental assessments in Ontario. <https://www.ontario.ca/page/preparing-and-reviewing-terms-reference-environmental-assessments-ontario>

Ministry of the Environment, Conservation and Parks. April 2018. Food and Organic Waste Policy Statement. <https://www.ontario.ca/page/food-and-organic-waste-policy-statement>

Ministry of the Environment, Conservation and Parks. November 2018. A Made-in-Ontario Environment Plan. <https://www.ontario.ca/page/made-in-ontario-environment-plan>

Ministry of the Environment. March 2007. Guide to environmental assessment requirements for waste management projects. <https://www.ontario.ca/page/guide-environmental-assessment-requirements-waste-management-projects>

From: [Maxime Picard](#)
To: [Hanschell, Jessica](#)
Cc: [Melanie Vincent](#)
Subject: RE: Township of North Dundas - Draft Terms of Reference for the Boyne Road EA - Notification Letter and ToR Report (1643253)
Date: Friday, April 27, 2018 11:28:20 AM

Good morning Jessica,

Thanks for your email and documents.

Please keep us updated when you anticipate to begin the archaeological assessment for this project.

We will let you know if we have any other concerns.

Best regards,

Maxime Picard



NATION HURONNE-WENDAT
Bureau du Nionwentsio

Maxime Picard, B. Sc. A.
Coordonnateur de projets - Ontario
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De : Hanschell, Jessica [mailto:Jessica_Hanschell@golder.com]

Envoyé : 27 avril 2018 11:18

A : maxime.picard@cnhw.qc.ca

Objet : Township of North Dundas - Draft Terms of Reference for the Boyne Road EA - Notification Letter and ToR Report (1643253)



Sender Name **Jessica Hanschell**
Phone +1 (613) 592-9600 x3337
E-Mail Jessica_Hanschell@golder.com

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Reply

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Hello,

An Individual Environmental Assessment (EA) for expansion of the Boyne Road Landfill site is being undertaken by the Township of North Dundas (the Township). The Township is seeking input on the draft Terms of Reference (ToR) Report of the proposed expansion of the Boyne Road Landfill. Please see the letter in the link provided outlining further information on the EA, the ToR and how to submit comments on the draft ToR. An electronic version of this ToR Report is also provided at the link in this email and consists of all volumes of the ToR (Volumes 1 to 3).

Should you require a hard copy of the ToR Report, please email or call and one can be provided. If you wish to save a copy of the files provided in this email for future reference, please download and save them to your local computer drive as the download link will expire in one month.

Please reply to me if you have any issues accessing the letter or the ToR Report from the link provided.

Sincerely,
Jessica

Attachments in Link: Click on link in the upper right corner of this email labelled "Download Files" to access the Notification Letter and the ToR Report (Volumes 1, 2 and 3).

Jessica Hanschell
Environmental Consultant

1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7

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To: maxime.picard@cnhw.qc.ca

CC: Trish_Edmond@golder.com

Yannick_Marcerou@golder.com

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From: [Phil Barnes](#)
To: [Hanschell, Jessica](#)
Cc: [Marika Livingston](#)
Subject: Boyne Road Landfill, Township of North Dundas
Date: Thursday, April 26, 2018 11:13:32 AM

Good Morning,

Thank you for circulating me on your Environmental Assessment Terms of Reference.

As the project manager for the Source Water Protection program in the Raisin-South Nation Source Protection Region, I am available to answer any specific questions you may have with regards to the Clean Water Act and Source Water Protection.

Seeing that this project is located within the Municipality of North Dundas, I will defer comments on the Boyne Road Landfill expansion to the municipality's designated Risk Management Official – Marika Livingston. I am available to provide direct support to Marika in her review.

We do have a library of technical reports which may be useful to you for download from our website: <http://www.yourdrinkingwater.ca>; particularly the Assessment Report, Watershed Characterization, Water Budget, and Source Protection Plan. Supporting documents and mapping that are referred to in those reports can be requested through Marika.

Sincerely,

Phil Barnes, P.Eng.
Project Manager
Raisin Region Conservation Authority
613-938-3611 x 240 www.rrca.on.ca

**Ministry of Tourism,
Culture and Sport**

Heritage Program Unit
Programs and Services Branch
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel: 416 314 7182
Fax: 416 212 1802

**Ministère du Tourisme,
de la Culture et du Sport**

Unité des programmes patrimoine
Direction des programmes et des services
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Toronto ON M7A 0A7
Tél: 416 314 7182
Télé: 416 212 1802



May 25, 2018 (EMAIL ONLY)

Trish Edmond, P. Eng
EA Project Manager
Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7
E: trish_edmond@golder.com

MTCS File #	:	0006336
Proponent	:	Township of North Dundas
Subject	:	Draft Terms of Reference
Project	:	Boyne Road Landfill Expansion
Location	:	Lot 8, Concession VI, former Township of Winchester, now the Township of North Dundas

Dear Trish Edmond:

Thank you for providing the Ministry of Tourism, Culture and Sport (MTCS) with the draft Terms of Reference for the above project. MTCS's interest in this EA project relates to its mandate of conserving Ontario's cultural heritage, which includes:

- Archaeological resources, including land and marine;
- Built heritage resources, including bridges and monuments; and,
- Cultural heritage landscapes.

Under the EA process, the proponent is required to determine a project's potential impact on cultural heritage resources.

Project Summary

The Township of North Dundas is proposing to expand the existing Boyne Road Landfill Site as it has exceeded its approved capacity.

Identifying Cultural Heritage Resources

While some cultural heritage resources may have already been formally identified, others may be identified through screening and evaluation. Aboriginal communities may have knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Aboriginal communities includes a discussion about known or potential cultural heritage resources that are of value to these communities. Municipal Heritage Committees, historical societies and other local heritage organizations may also have knowledge that contributes to the identification of cultural heritage resources. Please note that the property is also located within lands subject to the Algonquin Land Claim.

Archaeological Resources

It is noted in Section 6.6 of the draft Terms of Reference that a Stage 1 Archaeological Assessment will be required. The Archaeological Assessment should be undertaken as soon as possible as its results should be incorporated into the EA report, in addition to the results of any further stages of Archaeological Assessment as needed. The Archaeological Assessments should be undertaken by an archaeologist licenced under the *OHA*, who is responsible for submitting the report directly to MTCS for review.

Built Heritage and Cultural Heritage Landscapes

The MTCS [Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes](#) should be completed to help determine whether your EA project may impact cultural heritage resources. The Clerk for the municipality can provide information on property registered or designated under the *Ontario Heritage Act*. Municipal Heritage Planners can also provide information that will assist you in completing the checklist.

If potential or known heritage resources exist, MTCS recommends that a Heritage Impact Assessment (HIA), prepared by a qualified consultant, should be completed to assess potential project impacts. Our Ministry's [Info Sheet #5: Heritage Impact Assessments and Conservation Plans](#) outlines the scope of HIAs. Please send the HIA to MTCS and the local municipality for review, and make it available to local organizations or individuals who have expressed interest in heritage.

Environmental Assessment Reporting

All technical heritage studies and their recommendations are to be addressed and incorporated into EA projects. Please advise MTCS whether any technical heritage studies will be completed for your EA project, and provide them to MTCS before issuing a Notice of Completion. If your screening has identified no known or potential cultural heritage resources, or no impacts to these resources, please include the completed checklists and supporting documentation in the EA report or file.

Thank-you for consulting MTCS on this project: please continue to do so through the EA process, and contact me for any questions or clarification.

Sincerely,

Jeff Elkow
Heritage Planner
Jeff.Elkow@Ontario.ca

Copied to: Doug Froats, Director of Waste Management
Township of North Dundas
E: dfroats@northdundas.com

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MTCS makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MTCS be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MTCS if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the Ontario Heritage Act and the Standards and Guidelines for Consultant Archaeologists.

If human remains are encountered, all activities must cease immediately and the local police as well as the Cemeteries Regulation Unit of the Ministry of Government and Consumer Services must be contacted. In situations where human remains are associated with archaeological resources, MTCS should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the Ontario Heritage Act.

**Ministry of Northern Development
and Mines**

Strategic Services Branch

933 Ramsey Lake Road, B6
Sudbury ON P3E 6B5
Tel.: (705) 670-3003
Fax: (705) 670-5803
Toll Free: 1-888-415-9845, Ext 3003

**Ministère du Développement du Nord et
des Mines**

Direction des services stratégiques

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Sans frais : 1-888-415-9845, poste 3003



May 8, 2018

Trish Edmond, P. Eng.
EA Project Manager
Golder Associates Ltd.
Ottawa, ON K2H 5B7

Dear Trish Edmond

Re.: Draft Terms of Reference for the EA of the Proposed Expansion of the Boyne Road Landfill, Township of North Dundas

Thank you for the opportunity to comment on the draft TOR for the Proposed Expansion of the Boyne Road Landfill.

The Ministry of Northern Development and Mines (MNDM) Mines and Minerals Division reviewed the technical information available for the study area with respect to the geology and mineral resource potential, mining lands, and abandoned mine hazards.

The Mines and Minerals Division's response is below.

MINING LANDS: No concerns with respect to mining lands in the area.

ABANDONED MINES REHABILITATION PROGRAM: No concerns from the Abandoned Mines Rehabilitation Program.

RESIDENT GEOLOGIST PROGRAM: The Resident Geologist Program (RGP) of the Ontario Geologist Survey has completed the following:

1. checked the Ministry's Mineral Deposit Inventory (MDI) for mineral occurrences: There is one known mineral occurrence within 1 km of the landfill expansion area. A documented discretionary mineral deposit site (MDI31G03SW00005) for peat is located directly north of Boyne Road in Concession 7 Lot 9 Winchester Township. Please note, a discretionary mineral occurrence is an occurrence or deposit which does not meet any of the defined criteria but is entered in the MDI database based on a subjective decision by a Ministry of Northern Development and Mines geologist.
2. Study Area is underlain by Ordovician rock units of the Gull River Formation (unit 8). This formation consists of limestone, dolostone, shale and sandstone. Drift cover in this area is generally 1 metre to 8 metres. Bedrock information is from Ontario Geological Survey Miscellaneous Release – Data MRD 219, Paleozoic Geology of Southern

Ontario, OGS, 2007. Mineral aggregate resource information is from Aggregate Resources Inventory of Ontario – 2015 GIS-based compilation.

3. checked the Ministry's Assessment File Report Inventory (AFRI) database to determine whether past mineral exploration activity has been reported for the proposed area: there are no assessment files for this area.
4. used the GIS-based "Metallic Mineral Potential Estimation Tool" to get an estimation of the mineral potential of the proposed area: medium metallic mineral potential (47.5) is estimated for the area.
5. checked Groundwater Study 5, Karst of Southern Ontario and Manitoulin Island for identified karst hazard: there are potential karst features. "Potential Karst" is the least confident category of Karst. It is a karst region predominantly underlain by carbonate bedrock units which are a distance from present and/or paleo-drainage river systems and may be covered by overburden or younger rock units. Direct field observations could not be made by Ontario Geological Survey staff.

Published reports and Mineral Deposit Inventory and Abandoned Mines records are also available for viewing or free download through the Geology Ontario portal using the following link: <http://www.geologyontario.mdm.gov.on.ca/>.

If you have any questions about MNDM's response, please feel free to contact me by phone at 705-670-5734 or by email at stephanie.rocce@ontario.ca.

Sincerely,



Stephanie Rocca
Senior Strategic Initiatives Lead
Strategic Services Branch

Enclosure(s)

Mineral Development and Lands Branch

Direction de l'exploitation des minéraux et de
la gestion des terrains miniers

933 Ramsey Lake Road, B6
Sudbury ON P3E 6B5

Tel.: (705) 670-5937

Fax: (705) 670-5803

Toll Free: 1-888-415-9845, Ext 5937

933, chemin du lac Ramsey, étage B6
Sudbury ON P3E 6B5

Tél.: (705) 670-5806

Télé.: (705) 670-5803

Sans frais : 1-888-415-9845, poste 5806

Please be aware of the following regarding the AMIS data:

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The maps and/or coordinates provided are not intended for navigational, survey, or land title determination purposes. Maps included may not show unregistered land tenure and interests in land including certain patents, leases, easements, rights of way, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

Ministry Contact Information

Abandoned Mines Program

Willet Green Miller Center – Level B6

933 Ramsay Lake Road

Sudbury ON P3E 6B5

Marc Stewart

Phone: 705-670-5822

Email: Marc.Stewart@ontario.ca

Mine Rehabilitation Project Coordinator

Ritesh Navale

Phone: 705-670-5937

Email: Ritesh.Navale@ontario.ca

Mine Hazards Technical Specialist



Via Email Transmission

May 25, 2018



Mr. Doug Froats, Director of Waste Management
Township of North Dundas
636 St. Lawrence Street
Winchester, ON K0C 2K0

**Re: Draft Terms of Reference
Environmental Assessment of the Proposed Expansion of the Boyne Road
Landfill
Boyne Road
Part lots 7, 8, 9 & 10, Conc 6, Former Township of Winchester**

Dear Mr. Froats,

South Nation Conservation (SNC) has received the following documents concerning the draft Terms of Reference for the Environmental Assessment at the above noted location:

1. Draft Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill (Volume 1). Prepared by Golder Associates Ltd., dated April 2018.
2. Draft Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill (Volume 2). Prepared by Golder Associates Ltd., dated April 2018.
3. Draft Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill (Volume 3). Prepared by Golder Associates Ltd., dated April 2018.

SNC has reviewed the documents and offers the following comments:

Source Water Protection

South Nation Conservation's (SNC) Risk Management Staff attended an open house hosted on October 27, 2017 regarding the development of the proposed Terms of Reference (TOR) for the Environmental Assessment (EA) for the proposed expansion of the Boyne Road Landfill. SNC staff are interested in engaging in further discussions and providing input for this project throughout the EA process. Please be advised, SNC Risk Management staff have been consulted on many occasions in the early phases of the project (see Appendix A).

It is our understanding that the existing and proposed Boyne Road landfill is located within the South Nation Source Protection Area and is therefore subject to the policies within the approved Raisin-South Nation Source Protection Plan. More specifically, the proposed and existing landfill lies within WHPA-D for the Chesterville municipal drinking water system. The proposed expansion area extends further south in WHPA-D and the proposed



contaminant attenuation zone is within WHPA-C and WHPA-D, with vulnerability scores ranging from 2-8.

SNC notes that approvals under the Environmental Protection Act, 1990 for waste disposal sites that can be significant drinking water threats are reviewed by the Ministry of Environment and Climate Change (MOECC) to ensure that they contain conditions to protect sources of drinking water. The MOECC is responsible for determining whether the instrument (in this case, the Environmental Compliance Approval) meets these requirements, and they may amend the instrument to include additional terms and conditions to manage the threat, or deny the instrument in the case of a prohibited activity. As per correspondence from the MOECC provided by the Source Protection Programs Branch dated May 9, 2017 they concluded that the proposed landfill site is not considered a significant drinking water threat. Supporting that, on June 16, 2016 SNC received correspondence from the MOECC by the Source Protection Programs Branch, that the contaminant attenuation zone may not be considered to be a part of the footprint of the waste disposal site and therefore waste policies in the Raisin-South Nation Source Protection Plan do not apply.

Nonetheless, contrary to what was noted on page 9 of Volume 1, paragraph five, SNC shared comments and potential concerns with the Township of North Dundas's consultant, Golder Associates Ltd. More specifically, SNC had indicated that the expansion of the existing landfill does not meet the spirit and intent of Source Water Protection (See Appendix A & B). Further, SNC staff recommended that the approval authority should carefully consider the potential implications of the expansion of this activity within a delineated zone that contributes groundwater to a municipal drinking water supply.

1. In addition, SNC would like to clarify a sentence (page 35 of Volume 1, paragraph one) and request that it be changed to:

"As agreed upon by the MOECC, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the local Source Protection Plan".

SNC would like to reiterate that the MOECC is the approval authority for instruments issued for waste disposal sites and was responsible for the determination of whether this proposed expansion is a significant drinking water threat.

2. Additionally, as stated by the MOECC in their correspondence, SNC agrees that due to the project area occurring in an Highly Vulnerable Aquifer that the consultant consider and mitigate the impacts that this expansion may have on other current and future drinking water sources (i.e. private systems). SNC staff recommend that this include discussion of the current and future attenuation plume.



Regulatory Requirements

As identified in section 9.3 of Volume 1, SNC implements Ontario Regulation 170/06, Development Interference with Wetlands and Alterations to Shorelines and Watercourses, developed under Section 28 of the *Conservation Authorities Act*.

3. According to our mapping, the proposed expansion contains areas that are protected by South Nation Conservation under Ontario Regulation 170/06. Specifically, any interference with a watercourse may require a permit from SNC and restrictions may apply.

Hydrogeology and Geology

4. SNC staff reviewed the draft TOR to consider various geology and hydrogeological aspects. SNC staff noted that there was very brief discussion on geology and hydrogeology. It is advised that the consultant consider expanding this significantly, incorporating any new information gathered across the site.
5. Further, many monitoring wells have been installed across the site and it is expected that the geology and groundwater flows are defined in detail for determining potential risks to the source water supply. It has been noted that in the draft TOR that bedrock groundwater flow direction is not consistent. SNC staff advise that this be defined with some certainty to understand how to properly monitor the contaminant migration.
6. Current groundwater flow has been identified as flowing towards the north-northwest and south-southwest. Despite the physical footprint of the landfill having been defined south of Boyne Road, the contaminated groundwater footprint is much larger (likely north/northwest and south southwest). As such, it is advised that the consultant identify the current and potentially projected attenuation plumes so that concerns of source water protection are easily understood. The current documents do not provide this information for review. SNC recommends that the latest annual landfill monitoring report along with all borehole logs and geological cross sections be provided for review to determine if any potential exists for the naturally attenuating groundwater to become a threat to the municipal water source.
7. At this time, there has been no mention of contingency plans for mitigating the migration of the attenuation plume should it be directed towards the east in WHPA-C. It is advised that the consultant and the Township of North Dundas consider developing and providing mitigation plans that incorporate geological constraints and defined procedures to manage plume migration in a sustainable fashion and notify the proper authorities.



8. It has also been noted that the Vars-Winchester Esker complex is located towards the south and east of the proposed landfill expansion. This esker represents a significant water supply source extending to the Ottawa river. It is advised that the consultant consider any potential risk associated with this Esker and that it be defined and detailed as it currently represents a significant fresh water supply source for the region and might become even more so in the future.
9. In conclusion, it is expected that due to the numerous geological variations around the landfill and the absence of a liner that the geology and hydrogeology of the site will be discussed in detail in future reports and submissions.

Stormwater Management

10. SNC staff have noted that a wetland is being proposed to control stormwater runoff (quality and quantity) from the site. The design should meet all pertinent sections of the MOECC's Stormwater Management Planning and Design Manual (2003). If the design constraints cannot be met, adequate rationale must be provided.
11. It has also been noted that the areas used when calculating pre and post development runoff, as well as quality control, are not the same. The total area should be consistent when calculating runoff volumes and quality controls. The runoff coefficients and percentage of imperviousness for post development appear to be low. SNC staff recommend that adequate rationale be provided to best represent on-site, post-development conditions.
12. In addition, as identified above, the report should provide a monitoring plan and a contingency plan. The following questions are examples of the things to address. What are the triggers for action and what steps are to be taken? How will leachate be prevented from entering the stormwater management wetland?
13. Finally, as identified in the preceding section, SNC staff request that the last monitoring report submitted as per ECA requirements be provided for review.

Surface Water Quality, Aquatic Ecosystems and Terrestrial Ecosystems

In regard to sections 6 and 7 of Volume 1, SNC notes a good overall description of the components and rationale for including them in the EA in Table 7.3-1 is logical. At this stage of the review, SNC has nothing further to include for those sections.

14. In reference to section 7.6 of Volume 1, SNC understands that the included workplans are preliminary and only provide a general scope of the studies to be undertaken. SNC trusts that we will be circulated on the detailed workplans throughout the EA process so



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that additional comments can be provided to help the proponent ensure the technical studies are appropriate.

15. In reference to Table 7.6-1 of Volume 1, it is noted that existing surface water quality upstream and downstream of the proposed expansion will be summarized based on information from the annual monitoring program within the Boyne Road ditch. Without knowing the number of monitoring sites and locations, SNC staff do not have enough information to determine if the existing information will be adequate to properly describe the existing conditions of the watercourse. SNC staff welcome and request to have the opportunity to review as detailed methodologies for the studies as developed.
16. In reference to Table 7.6-1, the only indicator listed for Aquatic Ecosystems is the expected impacts on the off-site ditch system. SNC staff recommend that the on-site watercourses also be considered, as they will most likely be impacted by the expansion. For example, the watercourse running along the perimeter of the existing landfill may need to be relocated as part of the expansion which would require a permit under the *Conservation Authorities Act* (as identified in preceding sections) and a review under the *Fisheries Act*. The process for the permit and review would be more straightforward if the appropriate studies were already completed as part of the EA.

Conclusion

SNC appreciates the circulation of the draft TOR. We look forward to having the opportunity to be a part of the review process moving forward. SNC welcomes the opportunity to be circulated on further studies and information as they are made available.

I hope this letter is to your satisfaction, but should you have any questions please do not hesitate to contact me.

Best regards,

A handwritten signature in dark ink, appearing to read 'm Livingston'.

Marika Livingston
Environmental Planner
mlivingston@nation.on.ca
(613) 984-2948 ext. 311



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Grenville

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North Dundas



Nation



Clarence-Rockland



Champlain

Appendix A



Memorandum

To: Doug Froats, Director of Waste Management, Township of North Dundas
From: Marika Livingston, Environmental Planner, South Nation Conservation
Date: May 24, 2018
RE: Timeline

Date	Correspondence or Event Description
October 21, 2015	Call from Golder on behalf of the Township, indicating they are looking to expand the Contaminant Attenuation Zone (CAZ) for the Boyne Road landfill, partially in the Chesterville WHPA, and was wondering if this would be possible under the SPP
October 21, 2015	Email follow up from Golder
October 26, 2015	Phone call between SNC staff and Golder discussing the inquiry
November 9, 2015	Email from SNC staff to Golder discussing waste policies in the SPP, indicating the MOECC is responsible to review applications and that the landfill is managed by a Prescribed Instrument.
November 12, 2015	Phone call between SNC and Golder in response to the November 9 email
May 18, 2016	Email from Golder indicating that the Township is pursuing the expansion
May 20, 2016	SNC staff spoke to MOECC liaison officer about the file and to request information clarifying the threat circumstances
May 24, 2016	Phone call between SNC staff and Golder providing some additional information
May 30, 2016	Email from MOECC clarifying questions from Golder
June 2, 2016	Letter sent from SNC staff to Golder
June 2, 2016	Email from MOECC indicating that the CAZ may not be considered to be part of the footprint of the landfill site, so waste policies in the source protection plan would not apply in that area.
November 23, 2016	Email from Golder requesting some studies to support continued work with the Township of North Dundas
January 13, 2017	Phone call to Golder to discuss their request for data
January 24, 2017	Phone call to Golder to indicate that the study they requested did not seem to contain information they were looking for, and agreement to amend the data sharing agreement to reflect this and complete the GIS transfer



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January 24, 2017	Amended data sharing agreement page received
February 2, 2017	GIS data provided to Golder by email.
February 22, 2017	SNC received correspondence from the Township of North Dundas and Golder Associates, including the Notice of Commencement for the EA and the first open house, to take place on March 7, 2017 at the Township office. File no. SNC-4872-2017
March 2017	Email from Golder requesting a contact at the MOECC, and phone call to MOECC relaying information. Communication back to Golder indicating someone will contact her directly
March 7, 2017	Attended the first Open House for the EA held in Winchester
June 7, 2017	Email from Golder requesting data and documents.
June 22, 2017	Data agreement amended to reflect new data
October 12, 2018	SNC received Notice for Distribution to attend the second Open House on October 27, 2018 to discuss the Terms of Reference.
October 27, 2018	SNC Staff attended the second Open House held in Winchester
April 26, 2018	SNC received the draft Terms of Reference



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Champlain

Appendix B



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Memorandum

To: Doug Froats, Director of Waste Management, Township of North Dundas
From: Marika Livingston, Environmental Planner, South Nation Conservation
Date: May 24, 2018
RE: Correspondence

From: Tessa Di Iorio [mailto:tdiiorio@nation.on.ca]
Sent: Monday, November 09, 2015 3:01 PM
To: Bunn, Melissa
Cc: Bonnie Lee Boyd; cpol@northdundas.com
Subject: RE: Inquiry Regarding WHPA zones in relation to the Boyne Road Landfill

Hello Melissa,

Thank you for your inquiry and for discussing the issue with me last week.

Based on our conversation, it is our understanding that expanding the attenuation lands would be a requirement associated with an expansion of the Boyne Road Landfill.

To follow up on your inquiry, approvals under the Environmental Protection Act, 1990 for existing waste disposal sites that can be a significant drinking water threat are reviewed by the MOECC to ensure they contain conditions to protect sources of drinking water. The MOECC is responsible for determining whether the instrument (i.e. the Environmental Compliance Approval) meets these requirements, or amend the instrument to include additional terms and conditions to manage the threat.

With regards to the South Nation Source Protection Plan (SPP), Municipal Landfills are covered under the following policies: Policy WASTE-1 (Existing Environmental Compliance Approvals for waste sites) and WASTE-2 (Prohibition of future waste sites). For more information on the policies in the Raisin-South Nation region, you can visit www.yourdrinkingwater.ca.

Based on the information provided, the Boyne Road Landfill lies within the wellhead protection area (WHPA-D) for the Chesterville Municipal supply well, with a vulnerability score of 4; and the proposed attenuation lands lie within the WHPA-D and WHPA-C, with vulnerability scores ranging from 4 to 8.

The municipal landfill (waste disposal) is a prescribed significant threat activity; future waste sites are prohibited under the SPP in the WHPA zones with a vulnerability score of 8 or above.



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As the designated Risk Management Official for the Municipality, I provide the following cautionary remarks: Technical studies summarized in the Assessment Report confirm that groundwater in this area flows towards the Chesterville municipal supply well within 25 years. The approval authority should carefully consider the potential implications of the proposed significant threat activity within a delineated zone that contributes groundwater to a municipal residential drinking water supply. Expansion of this significant threat activity within a vulnerable area for a municipal drinking water source does not meet the spirit and intent of Source Water Protection.

Feel free to contact me if you would like to discuss further.

Kind Regards,

Tessa



June 2, 2016

Golder Associates Ltd.
1931 Robertson Road
Ottawa, ON K2H 5B7

Attention: Melissa Bunn

Thank you for your inquiry and discussing the Boyne Road landfill expansion last week.

It is our understanding that Golder Associates Ltd. wishes to determine if Source Protection Policies will apply to the expansion of the existing landfill at 12620 Boyne Road and the proposed contaminant attenuation zone, and the risk assessment process to contest the WESA Groundwater Models in the event that Golder Associates wishes to proceed in this manner, including whether the models would be available to share.

On review of information provided, and comments dated November 9, 2015 sent to Golder Associates Ltd. by Tessa Di Iorio, I am able to provide and reiterate the following:

The municipal landfill is a prescribed significant threat activity with two policies from the South Nation Source Protection Plan that could apply in this case; Existing Environmental Compliance Approvals for waste sites (WASTE-1), and Prohibition of future waste sites (WASTE-2). These policies are both implemented by the MOECC through the prescribed instrument.

Approvals under the *Environmental Protection Act, 1990* for waste disposal sites that can be significant drinking water threats are reviewed by the MOECC to ensure that they contain conditions to protect sources of drinking water. The MOECC is responsible for determining whether the instrument (in this case, the Environmental Compliance Approval) meets these requirements, and they may amend the instrument to include additional terms and conditions to manage the threat, or deny the instrument in the case of a prohibited activity.

Based on the information provided, the Boyne Road landfill lies within the WHPA-D for the Chesterville Municipal supply well. The proposed contaminant attenuation zone lands lie within the 5 year time of travel (WHPA-C) and 25 year time of travel (WHPA-D), with vulnerability scores ranging from 2 to 8.

Future waste sites are prohibited under the SPP in the WHPA zones with a vulnerability score of 8 or above.

As the designated Risk Management Official for the Municipality, I add that technical studies summarized in the Assessment Report confirm that groundwater in this area flows towards the Chesterville municipal supply well within 25 years. The approval authority should carefully consider the potential implications of the proposed significant threat



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activity within this zone that contributes groundwater to the municipal residential drinking water supply. In my view, expansion of this activity in a vulnerable area for a municipal drinking water source, does not meet the spirit and intent of Source Water Protection.

Under section 60 of the *Clean Water Act, 2006* a risk assessment can be used to exclude applications of ss. 56 (Interim Risk Management Plans), 57 (Prohibited activities) and 58 (Regulated activities) under Part IV of the *Clean Water Act, 2006*. The Source Protection Plan does not use Part IV tools to address sewage and waste threats that require a Prescribed Instrument or fall under the Building Code. My understanding from discussions with the MOECC is that the risk assessment process cannot be applied to prescribed instruments, or their associated policies.

Feel free to contact me if you would like to discuss anything further.

Best regards,

Bonnie Boyd
Environmental Planner & Risk Management Official

From: [Dillon, Mary \(MNRF\)](#)
To: [Hanschell, Jessica](#)
Subject: Township of North Dundas - Draft Terms of Reference for the Boyne Road EA
Date: Friday, June 01, 2018 4:59:15 PM
Attachments: [2017_WIN-4153_Response.pdf](#)

Hi Jessica,

I am sorry for the delay in response. We are managing a vacancy in our other Planner position and this has increased my workload significantly. I have not had a chance to review the ToR, unfortunately, but have reviewed the information request response provided for this project (see attached) and offer the following comments:

- Surveys should be completed to confirm the presence or absence of the species at risk identified as potentially occurring at the site, or in proximity to it, unless the proposed development will not have any impact on a species or its habitat;
- The adjacent woodland is considered Significant Woodland by the MNRF based on a desktop modelling exercise. The status of the woodland should be confirmed in the Official Plan for SD&G, on the ground, or both;
- Potential or candidate Significant Wildlife Habitats that may be impacted by the proposed expansion should be confirmed through the EA. The no negative impact test applies;
- There is an Evaluated-non PSW wetland at/adjacent to the landfill site. The status of this wetland (and any other unevaluated wetland at the site) should be reconsidered given the findings of the survey work at the site, especially the SAR survey work;
- There are municipal and other drains at and near the site. The potential for fish habitat should be assessed and impacts to it considered, as part of the EA; and
- Risks associated with wildland fire should also be considered.

I hope this helps. Please call if you require anything else at this stage of if you have any questions.

Thanks,
Mary

Mary Dillon
District Planner
613-258-8470

From: Hanschell, Jessica [mailto:Jessica_Hanschell@golder.com]
Sent: May-28-18 10:48 AM
To: Dillon, Mary (MNRF)
Subject: RE: (Sent with Cryptshare) Township of North Dundas - Draft Terms of Reference for the Boyne Road EA - GRT - Notification Letter and draft ToR Report (1643253)

Good morning Mary,

As a reminder, we sent the draft Terms of Reference (ToR) document for the Boyne Road EA to you on April 27th. I wanted to follow up to ask if the MNRF will be providing comments on the draft ToR. If so, please let me know. The end date for submission of comments was May 25th.

Sincerely,
Jessica

Jessica Hanschell
Environmental Consultant

1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7

T: +1 613 592 9600 | golder.com
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From: Jessica Hanschell
Sent: Friday, April 27, 2018 2:47 PM
To: mary.dillon@ontario.ca
Cc: Trish_Edmond@golder.com; Yannick_Marcerou@golder.com
Subject: (Sent with Cryptshare) Township of North Dundas - Draft Terms of Reference for the Boyne Road EA - GRT - Notification Letter and draft ToR Report (1643253)



Provided Transfer

Hello,

An Individual Environmental Assessment (EA) for expansion of the Boyne Road Landfill site is being undertaken by the Township of North Dundas (the Township). The Township is seeking input on the draft Terms of Reference (ToR) Report of the proposed expansion of the Boyne Road Landfill. Please see the letter in the link provided outlining further information on the EA, the draft ToR and how to submit comments on the draft ToR. An electronic version of this ToR Report is also provided at the link in this email and consists of all volumes of the draft ToR (Volumes 1 to 3).

Should you require a hard copy of the draft ToR Report, please email or call and one can be provided. If you wish to save a copy of the files provided in this email for future reference, please download and save them to your local computer drive as the download link will expire in one month.

Please reply to me if you have any issues accessing the letter or the draft ToR Report from the link provided.

Sincerely,

Jessica

Attachments in Link: Click on link in the upper right corner of this email labelled "Download Files" to access the Notification Letter and the draft ToR Report (Volumes 1, 2 and 3).

Jessica Hanschell
Environmental Consultant

1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7

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1648253-draftTOR Vol 2_2018'04'12.pdf

1648253-draftTOR Vol 3 2018'04'12.pdf

For further information please follow this link: [Cryptshare Documentation](#)

This message has been generated automatically.

Ministry of the Environment
and Climate Change

Ministère de l'Environnement et de
l'Action en matière de changement
climatique



Environmental Assessment and
Permissions Branch

Direction de l'évaluation
environnementale et des autorisations

135 St. Clair Avenue West
1st Floor
Toronto ON M4V 1P5
Tel.: 416 314-8001
Fax: 416 314-8452

135, avenue St. Clair Ouest
Rez-de-chaussée
Toronto ON M4V 1P5
Tél : 416 314-8001
Télec. : 416 314-8452

May 31, 2018

TO: Adam Sanzo
Project Officer
Environmental Assessment and Permissions Branch

FROM: Pierre Godbout
Senior Noise Engineer
Environmental Assessment and Permissions Branch

RE: **Noise Review Comments
Proposed Draft Terms of Reference
Environmental Assessment of the Proposed
Expansion of the Boyne Road Landfill
Township of North Dundas, Ontario
Noise EA File No.: E-0012-18**

This office was requested to review the noise aspects of the document titled "Draft Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill, Township of North Dundas" dated April 2018.

The following noise study items should be considered when preparing the Environmental Assessment (EA) for the Proposed Expansion of the Boyne Road Landfill:

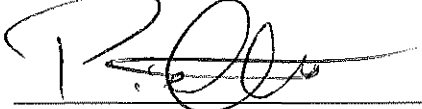
- (1) Noise Limits: shall comply with the MOECC noise limits in:
- a) Noise Guidelines for Landfill Sites, October 1998;
 - b) Publication NPC-115, "Construction Equipment";
 - c) Publication NPC-118, "Motorized Conveyances"; and
 - d) Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August, 2013.

(2) Noise Report: shall be prepared in accordance with:

- a) Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995; 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.

We trust the above review would be of assistance to you.

If you have any questions, please contact Pierre Godbout at 416-314-8177.



P. Godbout, P.Eng.
Senior Noise Engineer



I. Greason, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

**Ministry of the Environment
and Climate Change**

Environmental Assessment and
Permissions Branch

135 St. Clair Avenue West
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Toronto ON M4V 1P5
Tel.: 416 314-8001
Fax: 416 314-8452

**Ministère de l'Environnement et
de l'Action en matière de
changement climatique**

Direction des évaluations et des
permissions environnementales

135, avenue St. Clair Ouest
Rez-de-chaussée
Toronto ON M4V 1P5
Tél : 416 314-8001
Téléc. : 416 314-8452



June 28, 2018

MEMORANDUM:

TO: Adam Sanzo, Project Officer
Environmental Assessment Services

FROM: Dickson Odame-Osafo, P. Eng.
Senior Engineer, Approval Services Unit,
Environmental Approvals Branch

RE: **Review of draft ToR – Boyne Road Landfill Expansion EA**
Township of North Dundas, Ontario
EA FILE No. 03-08-02, EAIMS 18056

I have completed a review of the document entitled “Draft Terms of Reference (ToR) for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill, Township of North Dundas”, dated April 2018, prepared by Golder Associates (document). The proponent of the project is Township of North Dundas. In completion of this review, I employed the information provided in the Ministry of the Environment document entitled *A Guide to Preparing Terms of Reference for Environmental Assessments*. The following comments which are limited to the waste management aspects of the project are provided.

1.0 Background

The Boyne Road Landfill Site (Site) is an existing operating landfill approved under Environmental Compliance Approval No. A482101, for the disposal of solid non-hazardous waste including Industrial, Commercial & Institutional (IC&I) wastes. Other waste management/diversion operations, such as Household Hazardous waste, Recycling Depots, etc. exist on site. The site is a natural attenuation landfill without an engineered bottom and side slope liner and leachate collection system. The Site currently has approved disposal area of 8.1 ha. within a total buffer/contaminant attenuation area of about 97.13 ha.

The capacity for the Site as originally approved was for 395,000 cubic meters. However, in 2014 it was determined that the Site was in an overfill situation, and the volume in place at the Site, as of 2017 was 514,530 cubic meters. The Ministry of the Environment and Climate Change (MOECC) determined in late 2014 that the Site had exceeded its approved capacity and is in an overfill situation. Thus the Township was required to evaluate waste management alternatives to deal with this overfill situation at the Site. Whilst, exploring its long-term waste management

options the Township applied for short-term use of the site and received an emergency ECA by the MOECC, for continued use for one year.

2.0 Purpose of the Document

The Township of North Dundas who is the owner and operator of the site is proposing to carry out an expansion of the Site thereby increasing its volumetric capacity. The volumetric capacity expansion is proposed to be achieved through a re-engineering of the Site's final contours as well as areal extension beyond the existing approved fill area.

The approved maximum daily fill rate will remain unchanged.

The proposed Terms of Reference (ToR) provides the framework for the preparation and review of an individual EA for the proposed expansion of the Site to increase its capacity. It sets out evaluation criteria and indicators, based on the impact on natural, cultural, built, socio-economic and Aboriginal considerations. The ToR also sets out EA Consultation plan which, among other activities, will include public open houses, newspaper publications, Consultation with and distribution of EA reports to Stakeholders, Government Agencies, including the Aboriginal groups, and to locations that are accessible by the public, including the Township's offices, among others.

Comments:

- 2.1 The ToR notes in section 3.4 (Description of the proposed project) that the expansion's design approach will be a site-specific natural attenuation. Please, ensure that groundwater model meets the Reasonable Use Guideline (RUG) at the existing site boundary. Where the RUG condition is not met at the existing limits of the site, the expansion application under Part V, EPA, must be accompanied, among other requirements, by proof of available attenuation lands acquired to be part of the Site, or contaminant attenuation zone (CAZ) agreement signed with a third party land owner downgradient.
- 2.2 The ToR described that "Landfills can emit two types of odours: refuse odour and landfill gas odour", and presents an overview of how these nuisance/adverse environmental conditions will be addressed. The ToR and EA should specify and include in the mitigation measures, leachate odours and its other impacts resulting from bleedout/seepage from the landfill.
- 2.3 The ToR notes in sections 6.3/6.4 that the Site consists of deciduous and thicket swamps located near the existing landfill footprint, with portions being flooded and forming vernal pools during spring. The EA should investigate and assess whether these pools may be defined as lake and subject and describe how the preferred alternative complies with the "*Adam's Mine Lake Act*", which prohibits the disposal of waste into a lake.

3.0 Other Provincial Approval Requirements

The document lists other approval requirements/processes to be sought, as necessary, for the undertaking, including approvals under the *Environmental Protection Act* (EPA), *Ontario Water Resources Act*, *Conservation Authorities Act* and *Planning Act*.

Comments:

- 3.1 In the application for approval of the waste management facilities under the EPA, all applicable legislation and the Ministry's policies, standards and guidelines, such as Reasonable Use Policy (Guideline B-7), Provincial Water Quality Objectives (PWQO), etc., should be considered for effective groundwater and surface water protection, as appropriate to the geologic conditions, and provision should be made for adequate buffer/contaminant attenuation Zone. As well, the EPA application should address all impacts associated with waste management facilities operations, including but not limited to nuisance control and management programs, particularly odour, dust, litter, visual, vector/vermin, etc., and contingencies. The impact on public health and safety should be evaluated.

If you have any questions on the above, please contact me at (416) 314-8274.

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December 3, 2018

MEMORANDUM

TO: Ms. Trish Edmond
EA Project Manager
Golder Associates Ltd.

FROM: Adam Sanzo
Project Officer
Environmental Assessment and Permissions Branch
Ministry of the Environment, Conservation and Parks

RE: Draft Terms of Reference for the Environmental Assessment of the
Proposed Expansion of the Boyne Road Landfill, Township of North
Dundas

The Ministry of the Environment, Conservation and Parks (ministry) Environmental Assessment and Permissions Branch has completed a review of the Draft Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill, Township of North Dundas (ToR). The purpose of this review was to determine if the ToR meets the requirements of the Ontario Environmental Assessment Act (EAA), the expectations set out in the ministry's Codes of Practice: Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario, January 2014 (ToR Codes of Practice) and Consultation in Ontario's Environmental Assessment Process, January 2014.

General Comments

1. Please ensure that the Ministry of the Environment, Conservation and Parks is referenced throughout the ToR. As of June 29, 2018, the ministry is no longer the Ministry of the Environment and Climate Change.

Executive Summary

1. Only site closure and site expansion were considered in detail as alternatives to the undertaking in the Waste Management Alternatives Evaluation (Golder 2005). Additional diversion, “do nothing”, alternative land fill sites and alternative waste management technologies (e.g. incineration) are missing as alternatives to the undertaking and must be considered. Also consultation would be required on this study. The ministry needs to understand the municipality’s justification for not looking at other alternatives.

If proceeding under subsections 6(2)(c) and 6.1(3), proponents have to demonstrate in the ToR that they have carried out a previous planning and decision –making process (e.g. Master Plan) that has included consultation with interested persons on the criteria and assessment to identify a more limited scope of alternatives to. Proponents have to fully document that process. In general, it is the ministry’s expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation. The ministry needs to understand the municipality’s justification for not looking at other alternatives to and this should be documented in the ToR.

2. On pg. iii, there is reference to W12A Landfill site, the City of London’s Residual Waste Disposal Strategy and that alternatives to the undertaking will not be part of the environmental assessment (EA). In addition to the wrong project being referenced, is there a Waste Management Strategy/Plan for the Township of North Dundas (and the United Counties of Stormont, Dundas and Glengarry)? There is insufficient rationale for focusing the EA on the evaluation of alternative methods.
3. On pg. iii, the document states that the landfill expansion design approach will be a site-specific natural attenuation design, and that the expansion will be a vertical or horizontal expansion or a combination. A preferred landfill expansion and leachate method has already been chosen before the EA commencement. The determination of a preferred undertaking is only supposed to happen during the EA and not during the ToR stage. Consideration of alternatives methods should be included in the EA including alternative landfill sites.
4. On pg. v, there is a misinterpretation of the delegation of the duty to consult letter. The letter from the ministry delegates the procedural aspects of the Crown’s duty to consult to the proponent and provides the communities that should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that could be adversely affected by the undertaking based on preliminary information. The list is subject to change. It does not mean that there is no immediate duty to consult with other communities. It is expected that the proponent will identify, engage and provide information to

any Indigenous community that may have an interest or may be affected by the proposed undertaking and confirm their interest in the EA study.

5. On pg. vi., please remove language that the ministry and Raisin-South Nation Protection Region (RSNPR) agree that the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat. The assessment of impacts to source water, highly vulnerable aquifers, and wellhead protection zones should be conducted during the EA for the different alternative methods and not at the ToR stage.

Section 1.0: Introduction

1. Fig 1.2-1 appears to be incorrect. The approved landfill site is much smaller. Please verify actual landfill site boundaries. The figure differs from the key map in public notifications (e.g. website, Notice of Commencement of ToR).
2. The purpose of the undertaking is too specific. The purpose should be broader. For example: an EA is being initiated by the municipality to secure additional waste disposal capacity for the next 25 years since the Boyne Road Landfill is being overfilled. The ToR should include a commitment to confirm the problem. Section 5.2.3 of the ToR Code of Practice states that the proponent will refine the purpose statement if required as it proceeds through the planning process and present the final purpose statement in the EA (if the ToR is approved). A project is defined after a preferred undertaking has been identified during the EA.
3. On page 4, there is a statement that that the landfill is generally in compliance with provincial surface water management policies and that the results of the site monitoring programs show favourable performance of the Boyne Road Landfill which provides technical justification for expanding the landfill. A discussion of compliance with the existing waste and industrial sewage Environmental Compliance Approvals (ECA) is needed as part of the description of existing conditions (site operations). Additional justification as to why the Boyne Road Landfill site is suitable for expansion and is in an environmentally favourable location is needed.
4. An additional description of the site components, site entrance and haul routes are needed in Section 1.3 (Site Description and Waste Management Activities). A figure of the municipal boundaries and service area should also be included in the ToR. This level of detail is expected when describing any landfill sites and the study area.
5. Fig 1.3-1 could be modified to better match the text in Section 1.3 and indicate property ownership more clearly. The approved landfill site as per the waste ECA should be clearly delineated.

Section 2.0: The EA Process

1. Section 2.1 states that on February 23, 2017, the Township initiated the EA process by publishing a Notice of Commencement of the EA in local newspapers...

This should read that a Notice of Commencement of the ToR was posted, not EA.

2. Section 2.4 references both subsections 6.1(3) and 6.1(2) of the EAA. The proponent states that requirement 6.1(2)(d) will not be carried out. The ToR must clearly state how the EA will be prepared as per subsections 6(2)(a) and 6.1(2), or subsections 6(2)(c) and 6.1(3). Requirement 6.1(2)(d) cannot be removed as it requires the evaluation of advantages and disadvantages of alternative methods of carrying out the undertaking.
3. Section 2.4 mentions a confirmatory screening assessment of “Alternatives To”. Section 5.2.5 of the ToR Code of Practice provides a number of questions that proponents can use to determine a reasonable range of alternatives to consider during the EA process. These questions are designed to help determine an initial list of alternatives that could be feasible for addressing the problem statement. These questions are not intended to be used as a means by which alternatives are compared and assessed.

Section 5.2.5 of the ToR Code of Practice also mentions that proponents may conduct an initial screening of alternatives before or at the ToR stage. This formal screening must include considerations of key environmental factors such as the potential impacts to the natural environment, potential cultural and socio-economic impacts and impacts to Indigenous and Treaty rights. Consultation on scoping down alternatives to the undertaking should be carried out. The detailed screening results should be included in the supporting documentation of the ToR. A screening serves to scope alternatives to the undertaking and is not intended to confirm a preferred undertaking. Typically, it is the ministry’s expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation.

4. Section 2.5 (Justification for Submitting a Focused EA) mentions that a study of short-term and long-term waste management alternatives for a 25-year planning horizon was completed in 2015 which can be considered as an assessment of “Alternatives To”. “Do Nothing” or “Additional Waste Diversion” or “Alternative Waste Management Technologies” or “Establish New Landfill Site in the Township” alternatives were not considered in this study.

A reasonable range of alternatives to the undertaking compared to the do nothing alternative were not considered in the 2015 study. Therefore, this study does not meet EAA requirements.

A rationale must be provided for not considering other landfill sites. Also, to focus the EA on one landfill site, sufficient justification is required to demonstrate why the expansion of the Boyne Road Landfill is the best/only option based on environmental factors (e.g. previous planning study, good soil, proximity to highway, close to waste transfer station, etc).

Section 5.2.5 of the ToR Code of Practice states that the examination of one alternative compared against the do nothing alternative is acceptable as long as justification is provided for doing so and consultation on that justification has been or will be carried out. However, proponents take a risk that the alternative may not be acceptable to the Minister when a decision is made, and that the proposal may not go ahead.

5. On page 10, it is stated that traffic studies are not proposed for the EA. However, the impacts of the continued use of haul roads over a 25-year period need to be assessed. Information on the number of trucks that visit the site should also be included in the description of existing conditions. It is inappropriate to use the ToR to screen out consideration of environmental effects
6. Section 2.6 (Flexibility of the ToR to Accommodate New Circumstances) of the ToR mentions that circumstances could arise under which minor modifications are necessary or desirable.

As per section 5.2.10 of the ToR Codes of Practice, it is important for proponents to be aware that circumstances may arise that could prevent commitments in the ToR from being met. As the ToR cannot be amended after it has been approved it is important to incorporate flexibility into the ToR to accommodate circumstances that could prevent commitments in the ToR from being met. If it is anticipated that that a potential change to a commitment in a ToR may be required, it should be clearly explained in the ToR that the commitment may be subject to further refinement. It should also be clearly identified how the potential refinement will be considered during the EA.

To provide this flexibility, the proponent should indicate that the information provided in the ToR sets out the minimum requirements for the EA, state that the information is preliminary, and will be confirmed during the preparation of the EA in consultation with the public, Indigenous communities and government agencies.

Section 3.0: Rationale and Description of the Undertaking

1. Throughout this section, there are repeated references to an Emergency ECA. Please note that the ministry issues amendments to waste ECAs for the continued use of the landfill site. Emergency ECA is the informal reference to these types of waste ECA amendments for small volumetric expansions under 40,000 m³. Please consider using this language for the amendment of the ECA.
2. Section 3.1 mentions that the initiatives made by the province towards achieving zero-waste are likely to first be implemented in urban centres. Section 3.2 mentions that the Strategy for a Waste-Free Ontario is to shift from waste disposal to waste diversion and make waste management a carbon neutral industry.

The Waste-Free Ontario Strategy objectives apply Province-wide and speaks to:

- Minimizing the need for landfills;
- Ensuring that existing landfills are well managed;
- Reducing greenhouse gas emissions; and,
- Improving awareness of diversion opportunities to help drive larger volumes of IC&I waste diversion.

Please modify the text in the ToR to reflect these objectives.

3. Historical waste disposal rates (residential versus IC&I) and waste diversion rates should be included in subsection 3.2 (Problem and Opportunity Assessment) as well as an explanation of why the existing landfill is in an overfill situation. Please include a breakdown of historical disposal rates for residential and IC&I waste and diversion rates where available. What is the existing estimated per capita waste generation rate? The description of existing landfill condition and status should outline the cause for the landfill overfill situation.
4. Waste projections in Table 3.2-3 do not distinguish between residential and IC&I waste disposal rates and assume a 25% diversion rate from 2017 to 2047. Rationale should be provided as to why the waste diversion rate will be the same over the 25-year planning period.

The waste projections presented in Section 3.0 could be further broken down to show predicted residential and IC&I annual disposal volumes and anticipated diversion rates. Waste projections should also be consistent with population and employment projections in official planning documents.

5. Section 3.4 states the proposed project is the vertical or horizontal expansion of the Boyne Road Landfill and that the design approach will be a site-specific natural attenuation design. As previously mentioned, the preferred undertaking (the project) has been determined at the ToR stage which is inconsistent with EA requirements. The EA should look at alternatives to the undertaking and alternative methods for carrying out the preferred undertaking. Technologies are examined at the alternative methods stage. The design concept for the preferred undertaking is presented near the end of the EA process.

Section 4.0: Assessment of 'Alternatives To' to the Project

1. Section 4.1 indicates that the Waste Management Alternatives Evaluation (Golder 2015) considered technical, approvability and financial factors and that only Alternatives 1 and 2 were considered. Alternatives 3 (new landfill site) and 4 (alternative waste management technologies) were not expected to be financially viable and were therefore not assessed in detail.

The Waste Management Alternatives Evaluation (Golder 2015) is not a study similar to an EA as it does not look at the advantages and disadvantages of a reasonable range of alternatives and their effects on all aspects of the environment (including physical, natural, social, economic, etc). It also does not make comparisons against the do nothing benchmark alternative. An update to this section and accompanying Waste Management Alternatives Evaluation will need to be undertaken if the proponent expects to use this document to justify any focussing of alternatives to the undertaking.

2. Section 4.1 indicates that preliminary studies were undertaken to assess the potential impacts of expanding the landfill to the south and continuing to operate as a natural attenuation site as it is the only economically viable approach. As discussed, the assessment of different designs for the landfill (methods) and the impact assessment of the preferred undertaking (the project) should be completed during the EA. The development and evaluation of leachate management, landfill gas and stormwater management alternatives should be completed at the alternative methods stage.
3. On page 20, there is the statement "The MOECC technical staff considered that the approach taken was appropriate and that the results indicated that an expanded natural attenuation site with the proposed contaminant zone (CAZ) easements could be expected to satisfy the Reasonable Use Guideline (MOECC, 1994) requirements with an acceptable level of confidence." Ministry staff should be consulted during the EA for input on alternative methods. There is also no supporting correspondence for this statement in the Record of Consultation.
4. Section 4.2 mentions that the "Do Nothing alternative is not an alternative that could even be considered by the Township as it has basic requirements to provide municipal services and infrastructure for its ratepayers.

The do nothing alternative is not intended to be considered as a reasonable way in which the problem or opportunity that prompted the initiation of the EA process can be addressed. It represents the benchmark against which the advantages and disadvantages of the alternatives being considered can be measured and compared.

In the evaluation of alternatives to the undertaking, the do nothing alternative acts as a starting point for the comparison of the consequences and benefits of

each alternative. The do nothing alternative cannot be screened out and has to be carried throughout the EA as a benchmark. The do nothing alternative needs to be clearly defined and carried throughout the EA process. For more information on the do nothing alternative please see section 5.2.5 of the Code of Practice.

5. In Section 4.2 (Confirmatory Assessment of “Alternatives To”) the questions for identifying a reasonable range of alternatives in the ministry’s Code of Practice were used to determine a preferred alternative.

Section 5.2.5 of the Code of Practice, states that proponents may identify a reasonable range of alternatives for consideration during the EA and offers a set of questions that can be used by proponents when determining the alternatives to be considered during the EA. These questions are designed to aid proponents in identifying an initial range of alternatives that may be within a proponent’s ability to implement, and that should be carried forward for further consideration during the EA process. These questions are for determining the range of alternatives that can address the problem or opportunity that prompted the initiation of the EA process. It should be noted that these questions are not intended to be used as a process by which the consideration of alternatives is limited to only those alternatives that are preferred by a proponent or as a process by which a preferred alternative is determined.

Proponents may conduct an initial screening of alternatives before or at the ToR stage. This formal screening must include considerations of key environmental factors such as the potential impacts to the natural environment, potential cultural and socio-economic impacts and impacts to Indigenous and Treaty rights. Consultation on scoping alternatives to the undertaking should be carried out. The detailed screening results should be included in the supporting documentation appended to the ToR. Typically, it is the ministry’s expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation.

Section 5.0 Description and Rationale for “Alternative Methods”

1. What is the rationale for not considering other landfill sites in the EA. it is recommended that this is considered in the EA consistent with the code of practice.
2. Section 5.1 discusses alternative leachate treatment options and states that it is expected that the only economically viable approach for the Township is to continue operating an expanded Boyne Road Landfill as a natural attenuation site. The identification and evaluation of alternative leachate management methods should be completed in the EA.

3. It is stated that based on the previous preliminary expansion concept (Golder, 2015) and the factors described in Section 5.1 that it is anticipated that the number of different expansion configurations to be evaluated in the EA be limited to two or three. The ToR should describe how a reasonable range of alternative methods will be identified. It appears that an expansion concept (preferred undertaking and project) has already been developed. Variations to a conceptual design are alternative methods that should be considered in the EA.

Section 6.0: Description of Existing Environmental Conditions

1. Section 6.0 provides a high-level description of the existing environment but does not provide information sources or indicate the geographic area considered when describing the different environmental components. There is limited information on background air quality under subsection 6.1 (Atmosphere). Subsection 6.5 (Land Use) should also indicate the locations of the nearest residences. A more detailed description of the built environment (infrastructure) at and surrounding the landfill site and any other landfill sites should also be included. Focussed assessments require more detail than unfocussed assessments.

Subsection 5.2.6 of the Code of Practice indicates that the ToR should include a list and brief explanation of the tools (for example, studies, tests, surveys, and mapping) that will be used to provide a more detailed description of the environment in the EA. The list does not preclude the proponent from conducting additional or more detailed studies as part of the EA. If the proponent intends to use or may potentially use existing studies, this intention must be clearly stated in the ToR.

2. There is a statement "As agreed upon by the MOECC and the RSNPR, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the local Source Protection Plan (RSNPR, 2016). The ministry's Source Protection Programs Branch provided comments on May 9, 2017 which notes that the site is located in: an Intake Protection Zone (IPZ-3) with a vulnerability score of 7; a Highly Vulnerable Aquifer; and, a Significant Groundwater Recharge Area with a score of 6. This existing information could be incorporated into the ToR. Alternatively, the proponent could just indicate that source protection will be considered in the EA.

Assessment of potential impacts should be conducted at the EA stage. Please remove wording that suggests that government review agencies agree that landfill expansion would not be a significant drinking water threat as information presented at the ToR stage is considered preliminary and the impact assessment is not completed.

3. In Section 6.8, it is noted that the operating costs for the landfill are \$55,000. Please provide clarification on this figure as it is not understood if this is a yearly

cost, as the document it refers to is the 2015 Golder Report and the timeframe is from December 2015 and November 2016.

Section 7.0: EA Methodology

1. In this section, the study areas proposed: “site” and “site-vicinity” are limiting in scope.

Section 5.2.6 of the Code of Practice states that the study area is where all activities associated with the undertaking will occur and where potential environmental effects will be studied. At the ToR stage, the off-site study area should be broad enough to cover all direct and indirect environmental effects that could result from a waste management proposal, as well as large enough to accommodate the identification of a reasonable range of alternatives to the undertaking. For municipalities, this is typically the municipal boundaries or service area.

If the ToR proposes a focused EA to study a particular landfill site, the preliminary off-site study area should be large enough to encompass all waste management related activities. The ministry’s guideline D-4 Land Use On or Near Landfills and Dumps applies to all proposals for land use on or near any landfill or dump which contains municipal solid waste, industrial solid waste and/or sewage sludge. It mentions that the ministry considers the most significant contaminant discharges and visual problems to be normally within 500 metres of the perimeter of a fill area and that the ministry recommends this distance be used as a study area for land use proposals. However, this 500 metre buffer area is not appropriate for an EA study area because for the purposes of an EA, the study area should be broad enough to cover all direct and indirect environmental effects that result from landfilling activities such as waste hauling and off-site leachate disposal.

Subsection 4.2.3 of the Code of Practice for Preparing and Reviewing Environmental Assessments in Ontario (January 2014) mentions that if the study area defined in the approved ToR was preliminary, the proponent will finalize its boundaries before describing the environment. The study area for each component of the environment may vary depending on the alternatives and the geographic extent of the potential environmental effects. It is important to clearly describe how and why the boundaries of the overall study area and the study area(s) for each environmental component were chosen to ensure that direct and indirect effects are assessed.

At the alternative methods evaluation stage, study areas for individual impact assessments for each technical discipline can vary; however, the overall EA study area should encompass all of the discipline-specific study areas. All study areas, including discipline-specific study areas (e.g. air quality, cultural heritage, groundwater etc.), proposed at the ToR stage should be refined during the EA

process in consultation with government agencies, Indigenous communities and interested members of the public.

2. Subsection 7.3 should include a statement indicating that the criteria, indicators and data sources for the evaluation of alternative methods are preliminary. Government review team agencies, Indigenous communities and members of the public should have an opportunity to provide input on the criteria, indicators and data sources during the EA. By indicating that the criteria, indicators and data sources are preliminary it provides flexibility in the ToR.
3. Criteria pertaining to the built environment and financial costs are missing. Some of the indicators in Table 7.3-1 (e.g. biology, land use, archaeology, culture) need to be more specific to determine how potential impacts to environmental components will be measured.

The built environment (roads, site infrastructure) as well as financial costs (capital, operation and maintenance, lifecycle costs) should be considered in the evaluation of alternative methods.

Traffic effects should also be included as an evaluation criterion.

Section 4.2.4 of the Code of Practice (Environmental Assessment) states that indicators are how potential effects will be measured for each criterion. It is recommended that definitions of criteria and indicators be included in the evaluation methodology outlined in the ToR. Indicators need to be measurable and/or reportable to be able to ascertain a change to the environmental criterion.

4. On page 43, "Continued service to residents" is listed as an environmental sub-component. Providing "Continued service to residents" is part of the purpose for carrying out the EA and not an environmental criterion. Other sub-components can be added to assess effects to local residents such as traffic and litter.
5. The socio-economic category does not include financial evaluation criteria. Examples of financial criteria are capital, operation and maintenance, as well as overall lifecycle costs as an EA looks at the impacts of all phases of the proposed undertaking (planning, detailed design, tendering, construction, operation, closure and decommissioning).
6. Subsection 7.5.3 (Task 3 – Qualitatively Assess the 'Alternative Methods' for Landfill Expansion) mentions that the EA project team will qualitatively predict the effects for each "Alternative Method".

The evaluation of alternative methods with respect to different components of the environment can be qualitative or quantitative. Please provide an explanation as to why the alternative methods evaluation will consist of only a qualitative assessment.

Similar to a quantitative analysis, a qualitative analysis should be based on objective data and references/sources. A qualitative analysis should follow appropriate traceable and replicable methodology. Qualitative assessments are encouraged where quantitative information is not available and thus a quantitative analysis is not possible. If known, the proponent should identify the specific evaluation methodology that will be used to assess the proposed project (e.g. reasoned argument approach).

7. Subsection 7.5.3, pg. 43 mentions that each “Alternative Method” of the Boyne Road Landfill expansion will be examined to determine if it would ultimately be approvable under the Environmental Protection Act. It also mentions that “At this point, the EA project team may also consider additional alternatives to the project that may have been identified by the public or other parties during the EA process”.

The potential approvability of the alternative method is typically considered when determining a reasonable range of alternative methods to carry forward to a detailed evaluation. The addition of alternative methods based on input from consultation activities should be part of Task 2 – Develop the ‘Alternative Methods’ of Landfill Expansion.

8. Subsection 7.5.4 mentions that the alternatives will be compared qualitatively using the sub-components and indicators presented in Table 7.6-1 and the advantages and disadvantages will be described.

When completing the evaluation of alternative methods, each method should first be compared against the ‘do nothing benchmark (existing baseline conditions) to measure the consequences of each alternative method on the environment. The evaluation process examines trade-offs, in which the advantages and disadvantages of each alternative are weighed in terms of their net effects, both positive and negative, on the environment. This should be mentioned in the ToR.

9. Subsection 7.5.7 mentions that the cumulative effects assessment will consider the net effects of the project combined with the predicted effects of other existing and identified certain and probably projects in the area of the site, where the effects would overlap.

Section 4.3 of the Code of Practice encourages the proponent to include information about potential cumulative effects of the project in combination with past, present and reasonably foreseeable future activities where possible. Proponents are advised to consult with government agencies to identify any already-approved projects that will be built in the future and to consider their potential cumulative impacts to the extent possible. Please include this as a commitment in the ToR. The study areas for cumulative effects assessments typically encompass areas larger than the area in the vicinity of the landfill site.

10. Climate change effects on the project only consider impacts to the stormwater management system. Effects of climate change on the leachate management system and stability of waste pile slopes are other infrastructure components that should be considered.

Please refer to ministry's guide "Considering climate change in the environmental assessment process (2017)" for climate change assessment resources.

11. Subsection 7.6 indicates that the "EA work plans may be updated and revised throughout the EA process based on continuing discussions with stakeholders."

More detailed work plans are developed at the EA stage. The ToR should state that the work plans are preliminary and will be further refined/developed in consultation with agency stakeholders, Indigenous communities and the public at the beginning the EA.

12. Table 7.6-1 (Draft Proposed Work Plans) indicates that the qualitative evaluation of 'Alternative Methods' will involve describing the differences between 'Alternative Methods' and ranking each alternative.

More description on how alternative methods will be evaluated in the EA is needed in the ToR. The evaluation of alternative methods is a detailed assessment and often involves modelling activities to determine potential effects, such as air quality effects, stormwater effects, contaminating lifespan for leachate and landfill gas etc. for each alternative method.

Section 8.0: Consultation

1. The government review team agencies contacted should be listed in Section 8.1.1 (Notice of Commencement and Open House #1).

Section 8.0 should provide a list of the government review team agencies contacted and summarize comments and feedback received from each agency.

Please note that the Environmental Assessment Government Review Team Master Distribution List in the Record of Consultation is dated November 2016. A more current list is available from the ministry and will be useful in updating the EA contact list. An updated list is provided as an attachment to this memo.

2. Table 8.1-1 (Stakeholder Responses) only summarizes responses from agency stakeholders regarding the Notice of Commencement of the ToR.

Section 5.3.1 of the Code of Practice indicates that the proponent must clearly and accurately summarize the comments made by all interested persons during the preparation of the ToR.

Section 8.0 should contain summary tables that outline comments and proponent responses to questions/inquiries from the public as well as those provided by MECP, other agency stakeholders and Indigenous communities.

3. On page 61, the statement “As agreed upon by the MOECC and the RSNPR, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the local Source Protection Plan (RSNPR, 2016)” appears again in sub-section 8.1.3.

The Record of Consultation includes a memo from the ministry’s Source Protection Programs Branch which provides comments and suggestions on items that need further consideration. These comments as well as an indication of how the proponent has addressed the comments should be included in a summary table in Section 8.0 of the ToR. It is also unclear from Section 8.0 or the Record of Consultation as to whether the South Nation Conservation Authority was consulted during the ToR.

4. Sub-section 8.1.4 (Consultation with Indigenous Communities) references a letter from the ministry “explaining that there was no immediate duty to consult with all but the Algonquins of Ontario Consultation Office, the Mohawks of Akewesasne and the Huron-Wendat Nation”. The Community Engagement Plan in the Record of Consultation should include a list of Indigenous communities to consult.

The letter from the ministry which formally delegates the procedural aspects of the Crown’s duty to consult to the proponent provides a list of communities that should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that could be adversely affected by the undertaking based on preliminary information. The letter does not indicate that there is “no immediate duty to consult” with other communities.

Sub-section 8.1.4 should state that the ministry has delegated the procedural aspects of consultation with Indigenous communities to the proponent. The section should include an overview of the proponent’s responsibilities. Please note that Indigenous communities should not be referred to as stakeholders in the Community Engagement Plan found in the Record of Consultation.

5. In Section 8.2, it is noted that a Draft EA will be circulated to the public for a period of 5 weeks. Please note that this timeframe will need to be discussed with MECP staff and may require additional time. We would suggest that this wording be removed from the ToR. In addition, please include other stakeholders and agencies into this section, as the reference is only to public comments.
6. With Regards to the Consultation Plan itself, it is noted that the description of the plan appears to be inadequate. Typically, a consultation plan includes the following:

- Objectives;
- General consultation methods proposed;
- How input will be obtained;
- Description of key decision-making milestones;
- Issue resolution strategy;
- A statement that the proponent will consider flexibility;
- Aboriginal consultation plan – needs to be designed to encompass unique needs of Aboriginal communities - language, communication styles, preferences, access to communication tools.

Please refer to Section 5.2.9 of the ToR Codes of Practice for more information on consultation plans.

Section 9.0: Other Regulatory Approvals

1. It is recommended that a commitment be made in this section indicating that the list of regulatory approvals is preliminary and is subject to changes and refinement during the EA based on consultation with regulatory agencies.

Section 11.0: Commitments and Monitoring Strategy

1. Only one commitment is listed in Table 11.1-1 (List of Commitments). As per section 5.2.8 of the ToR Code of Practice, a commitment statement should be included in the ToR to develop a monitoring framework during the preparation of the EA. The monitoring framework will consider all phases of the proposed undertaking (planning, detailed design, tendering, construction, operation, closure and decommissioning). Where appropriate this framework must include compliance monitoring and effects monitoring.

Table 11.1-1 should include a summary of all ToR commitments that address specific comments and concerns raised during the preparation of the ToR. This ToR commitments table serves to demonstrate that the EA was carried out in accordance with the approved ToR when a final EA is submitted to the ministry.

As information was missing or incomplete in your draft ToR, additional review will be required once your revised draft ToR is submitted. Additional comments may be provided at that time.

In general, prior to submitting your ToR, please be advised that you are also required to provide a Record of Consultation as per section 6(3) of the (EAA), which should detail consultation on the ToR, any comments recorded, and responses to any comments received from MECP. As opposed to submitting this Record of Consultation as an appendix to the ToR, it should be submitted as a separate supporting document.

If any other agencies provided comments (i.e. Ministry of Natural Resources and Forestry, Ministry of Tourism, Conservation and Sport, Conservation Authorities, etc.), please provide them as well in the Record of Consultation.

Should you have any questions or require further information, please contact me at 416-314-8360 or by email at adam.sanzo@ontario.ca.

Regards,

A handwritten signature in black ink, consisting of several sweeping, overlapping strokes that form a stylized, somewhat abstract representation of the name Adam Sanzo.

Adam Sanzo
Project Officer
Environmental Assessment and Permissions Branch

C: Doug Froats, Director of Waste Management, Township of North Dundas

**Ministry of the Environment,
Conservation and Parks**

Environmental Assessment and
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April 16, 2019

MEMORANDUM

TO: Ms. Trish Edmond
EA Project Manager
Golder Associates Ltd.

FROM: Adam Sanzo
Project Officer
Environmental Assessment and Permissions Branch
Ministry of the Environment, Conservation and Parks

RE: Proposed Terms of Reference for the Environmental Assessment of the
Township of North Dundas Residual Waste Management Plan

The Ministry of the Environment, Conservation and Parks (ministry) Environmental Assessment and Permissions Branch has completed a review of the revised Proposed Terms of Reference for the Environmental Assessment of the Proposed Township of North Dundas Residual Waste Management Plan (previously titled Expansion of the Boyne Road Landfill). The comments in this memo and attached table are a follow up and in addition to the previous comments prepared on December 3, 2018, which were to determine if the ToR meets the requirements of the Ontario Environmental Assessment Act (EAA), the expectations set out in the ministry's Codes of Practice: Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario, January 2014 (ToR Codes of Practice) and Consultation in Ontario's Environmental Assessment Process, January 2014.

General Comments

1. The ministry is generally satisfied with the proposed ToR's change from a focused ToR to an unfocused ToR, as per its suggestion. The following comments are a follow up to the original comments on the document, as well as some additional comments and questions that have arisen due to the change of direction for the ToR.

2. As the reported diversion rates for residential, non-hazardous, solid waste is approximately 23 to 25%, and the diversion rate for the non-residential fraction of waste disposed of at the Boyne Road Landfill is unknown, it appears that there is additional opportunity for diversion. Therefore, the ministry recommends that the title of the EA be changed to reflect that the Township will be considering ways of managing municipal, non-hazardous solid waste, rather than residual waste. As such, the title of the project is suggested to be changed to "The Township of North Dundas Waste Management Plan. In addition, all other references in the document to the term "residual waste management" should be changed to be consistent with the title.
3. The date on the footer indicates "March 2018"- please correct to March 2019 (or April 2019 for the next iteration of the document).
4. References to "the Project" in headings, the table of contents and in the text should be changed to "the undertaking" as the undertaking is the activity (e.g. increasing waste disposal capacity) that the EA will be studying. A project is defined after the preferred undertaking and method for carrying out the undertaking has been determined. Please ensure the description of the Project in Section 3.4 is consistent with the wording in the Executive Summary (comment above).

Executive Summary

1. On pg. iv, Description of the Project- a change to the description may be required as it may be a bit too vague. Consider changing to "The Township is seeking to secure up to 400,000m³ of additional waste disposal capacity from 2022 to 2047 (25-years) as the Boyne Road Landfill is currently at capacity, and the EA will be investigating long-term solid waste management options to achieve this objective."
2. On pg. v, please rearrange steps 1 and 3 to show that the study areas will be identified prior to characterizing the environmental conditions. Please also add wording to step 6 to show that assessment of potential effects will be done relative to baseline environmental conditions.
3. On pg. viii. Reference to "draft EA" is made in the sentence "The draft EA was circulated for a five-week public comment period prior to finalization and submission to the MECP of this proposed ToR for approval". Please change to "Draft ToR."
4. On pg. viii. The dates in the "Overview of EA Schedule" are too specific. Please consider removing specific months that the proponent believes the approvals will be made for both the ToR and the EA. Consider rewording to "Following circulation of the draft ToR for comments, the proposed ToR is being submitted for the Minister's approval. The EA studies will be carried out following ToR approval and a draft and final EA will be submitted for the Minister's approval.

Processes to obtain the other approvals required to implement the project will proceed after EA approval.”

Section 1.0: Introduction

1. On pg 1, the sentence “An overall map of the Township, which comprises the project Study Area, is provided on Figure 1.0-1” should be changed to “An overall map of the Township, which comprises the EA Study Area, is provided on Figure 1.0-1”.
2. MECP suggests that the existing haul routes be delineated on figures 1.0-1 and/or 1.0-2 to better understand the current landfill operation.

Section 3.0: Rationale and Description of the Undertaking

1. Section 3.2 needs to include wording that the landfill being filled to overcapacity is also a problem and was what started this EA planning process.
2. On pg. 18, consider revising the first sentence on the page to “Based on the above assumptions and projection, the waste management plan for 25 years beyond 2022 will have to accommodate waste corresponding to the consumption of approximately 400,000 m³ (to be confirmed during the EA) of landfill airspace (including cover).

Section 4.0: Assessment of ‘Alternatives To’ to the Project

1. MECP suggests that Section 4.0 heading should be changed to “Range of Alternatives to be Evaluated in the EA.” Please ensure changes are also made to the table of contents.
2. On pg. 27, the final paragraph that speaks to the consultation related to the 2015 study should be removed from this section and moved to the consultation section of the ToR.
3. Section 4.2- the heading should be changed to better reflect the context. MECP suggests 4.2 be renamed to “Development and Evaluation of Alternatives to the Undertaking”. Please ensure changes are also made to the table of contents.
4. The sentences included at the end of Alternatives 1-3 (i.e. “This alternative is within the capability of the Township to undertake”) can be removed as it is already mentioned in this section that alternatives listed here are reasonably available to the Township.
5. Waste diversion is an alternative to the undertaking that should be considered in the EA. Waste diversion activities affect the amount of waste disposal capacity needed, and the Environment Plan gives the direction to look at ways to reduce

the amount of waste going to landfills or becoming litter. Although waste diversion programs and recycling facilities are not subject to EA Act requirements, they need to be considered in the context of waste management EAs.

6. On pg. 30, in the “Technical Considerations” section of the table, some of the criteria are unclear. For instance, for the bullet “Ability of the Township to implement”, does this refer to the technical skills and expertise of Township staff to construct and operate? Also, the “Suitability of the alternative to address the problem” is not a technical evaluation criterion and has already been considered when developing a list of alternatives to the undertaking. Therefore, it can be removed from this section of the table. Finally, for “Technical risks associated with the alternative”, please revise.

Section 5.0 Description and Rationale for “Alternative Methods”

1. MECP suggests that Section 5.0 heading should be changed to “Development and Evaluation of Alternative Methods.” Please ensure changes are also made to the table of contents.
2. MECP suggests that the sentence “Since the preferred ‘Alternative To’ is not known and will be identified during the EA, it is not possible to describe the rationale for development of the ‘Alternative Methods’ in this ToR” be removed.
3. In section 5.1, MECP suggests rearranging the bullets so that the identification of study areas comes before characterizing the existing environmental conditions.
4. The fourth bullet indicating “environmental components” is suggested to be reworded to “environmental criteria based on the different components of the environment”

Section 7.0: Consultation

1. On page 74, there is reference to “Raison Region Conservation Authority.” This is a typo- please correct to “Raisin Region Conservation Authority.”
2. On page 76, the text “A NOC of the commencement” should be changed to “A NoC...”

Section 9.0: EA Schedule

1. MECP suggests that the text “documented by addendum to the EA...” be revised as the addendum process does not apply to individual EA’s. Please consider changing text to indicate that EAs can be amended under special circumstances before a Minister’s decision.

2. MECP suggests that the sentence “The Township is proposing to submit applications for other EPA/OWRA approvals and supporting documents required to proceed to implement the project following receipt of EA approval” be removed as it is not part of the EA schedule.

Section 10.0: Commitments and Monitoring Strategy

1. In the list of ToR commitments, ID 4- MECP suggests that the wording “Alternative To” be changed to “Alternative method” as it is more applicable in this context.
2. ID 6- please consider rewording as study areas are not only for determining impacts from the preferred “alternative to”. A study area is where the direct and indirect effects of all alternatives will be studied. Therefore, determination and rationales for study areas for the assessment of environmental effects for both alternatives to the undertaking and alternative methods, need to be described in the EA.
3. MECP suggests that a commitment be added to the table to circulate the Draft EA to the public and stakeholders.

Please see attached table for follow up responses related to comments presented in the ministry’s December 3, 2018 memo.

Should you have any questions or require further information, please contact me at 416-314-8360 or by email at adam.sanzo@ontario.ca.

Regards,



Adam Sanzo
Project Officer
Environmental Assessment and Permissions Branch

C: Doug Froats, Director of Waste Management, Township of North Dundas

Draft Terms of Reference for the Environmental Assessment of the Proposed Expansion of the Boyne Road Landfill

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
Adam Sanzo, Project Officer, Environmental Assessment and Permissions Branch Ministry of the Environment, Conservation and Parks			
General Comments			
1. Please ensure that the Ministry of the Environment, Conservation and Parks is referenced throughout the ToR. As of June 29, 2018, the ministry is no longer the Ministry of the Environment and Climate Change.	Understood. It is noted that the term Ministry of the Environment, Conservation and Parks has been used throughout the ToR. The only time the Ministry of the Environment and Climate Change has been mentioned is as it relates to references to documents written when the Ministry used this name and this is appropriate when citing these documents.	No change.	Addressed
Executive Summary			
<p>1. Only site closure and site expansion were considered in detail as alternatives to the undertaking in the Waste Management Alternatives Evaluation (Golder 2005). Additional diversion, “do nothing”, alternative land fill sites and alternative waste management technologies (e.g. incineration) are missing as alternatives to the undertaking and must be considered. Also consultation would be required on this study. The ministry needs to understand the municipality’s justification for not looking at other alternatives.</p> <p>If proceeding under subsections 6(2)(c) and 6.1(3), proponents have to demonstrate in the ToR that they have carried out a previous planning and decision – making process (e.g. Master Plan) that has included consultation with interested persons on the criteria and assessment to identify a more limited scope of alternatives to. Proponents have to fully document that process. In general, it is the ministry’s expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation. The ministry needs to understand the municipality’s justification for not looking at other alternatives to and this should be documented in the ToR.</p>	<p>The previous 2015 assessment of alternatives did consider both an alternative (new) landfill site and alternative technologies; these were assessed at a high level and screened out of the more detailed assessment of alternatives because it was concluded they were not reasonable for the Township to pursue. The Do Nothing alternative was not considered in the 2015 assessment.</p> <p>The Ministry’s stated expectation that all municipal proponents undertake waste management master planning studies, including consultation that would fulfill the EA process requirements, is not the reality of the situation for many municipalities in Ontario, and especially not for smaller municipalities.</p>	The proposed ToR has been changed to assess Alternatives To during the EA process, including the Do Nothing alternative.	<p>Partially addressed</p> <p>The ministry notes that waste diversion was not included as an alternative to the undertaking that will be considered in the EA.</p> <p>Section 5.2.5 (Description of and Rational for Alternatives) of the EA Code of Practice provides a reasonable range of alternatives for increasing waste disposal capacity for a municipality: waste diversion program; export; landfill; and thermal technology.</p> <p>It is the ministry’s expectation that the proponent identify and assess a reasonable range of alternatives during the EA for increasing waste disposal capacity.</p>
2. On pg. iii, there is reference to W12A Landfill site, the City of London’s Residual Waste Disposal Strategy and that alternatives to the undertaking will not be part of the environmental assessment (EA). In addition to the wrong project being referenced, is there a Waste Management Strategy/Plan for the Township of North Dundas (and the United Counties of Stormont, Dundas and Glengarry)? There is insufficient rationale for focusing the EA on the evaluation of alternative methods.	The reference to ‘City of London” was incorrect. There is not a Waste Management Plan for the Township or the County; the County Master Plan study that was undertaken in the late 1980s/early 1990s was not completed and was abandoned more than 25 years ago. Waste management planning and responsibility within the County is at the lower tier municipality level.	The proposed ToR has been changed to assess Alternatives To during the EA process.	<p>Partially addressed</p> <p>Is the Township currently undertaking long-term waste master planning to look at added opportunities for waste diversion from landfill and to establish diversion goals?</p> <p>The ministry notes that the title of the ToR has been changed from “Proposed Expansion of the Boyne Road Landfill” to “Township of North Dundas Residual Waste Management Plan”.</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
			<p>The definition for residual waste in the ToR glossary is “waste material that cannot be diverted through recycling or other processes and requires disposal.”</p> <p>As the reported diversion rates for residential, non-hazardous, solid waste is approximately 23 to 25%, and the diversion rate for the non-residential fraction of waste disposed of at the Boyne Road Landfill is unknown, it appears that there is additional opportunity for diversion. Therefore, the ministry recommends that the title of the EA be changed to reflect that the Township will be considering ways of managing municipal, non-hazardous solid waste, rather than residual waste. The ministry suggests the title of the project be changed to “The Township of North Dundas Waste Management Plan”</p>
<p>3. On pg. iii, the document states that the landfill expansion design approach will be a site-specific natural attenuation design, and that the expansion will be a vertical or horizontal expansion or a combination. A preferred landfill expansion and leachate method has already been chosen before the EA commencement. The determination of a preferred undertaking is only supposed to happen during the EA and not during the ToR stage. Consideration of alternatives methods should be included in the EA including alternative landfill sites.</p>	<p>The Draft ToR did not select a preferred landfill expansion method; rather it described the physical and regulatory factors that would be considered in developing ‘Alternative Methods’ of landfill expansion.</p>	<p>The proposed ToR has been changed to assess ‘Alternatives To’ during the EA process. As such, all discussion of ‘Alternative Methods’ specific to expansion of the Boyne Road Landfill has been removed.</p>	<p>Addressed</p>
<p>4. On pg. v, there is a misinterpretation of the delegation of the duty to consult letter. The letter from the ministry delegates the procedural aspects of the Crown’s duty to consult to the proponent and provides the communities that should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that could be adversely affected by the undertaking based on preliminary information. The list is subject to change. It does not mean that there is no immediate duty to consult with other communities. It is expected that the proponent will identify, engage and provide information to any Indigenous community that may have an interest or may be affected by the proposed undertaking and confirm their interest in the EA study.</p>	<p>Understood.</p>	<p>In the proposed ToR, the wording has been modified in the Executive Summary and in Section 7.1.4 to address this comment.</p>	<p>Not addressed</p> <p>The executive summary and now section 7.1.4 (Consultation with Indigenous Communities) states that “Subsequently the MECP advised that a reduced list of Indigenous communities was appropriate for this project. As a result, a letter was prepared explaining that the consultation on this EA would continue with three of the communities, indicating that the other Indigenous communities could still participate in the EA if they had an interest to continue to receive information and/or engage in the project.”</p> <p>The modified wording is inaccurate. The ToR should state that the MECP has delegated the procedural aspects of the Crown’s duty to consult with Indigenous communities through this letter. The ToR should also state that the Township will be consulting with the communities in the letter as these are the communities identified to have or may have constitutionally protected Aboriginal or treaty rights that could be adversely affected by the undertaking based on preliminary information.</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
			It is the ministry's expectation that the Township will identify, engage and provide information to any Indigenous community that may have an interest or may be affected by the proposed undertaking and confirm their interest in the EA study.
5. On pg. vi., please remove language that the ministry and Raisin-South Nation Protection Region (RSNPR) agree that the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat. The assessment of impacts to source water, highly vulnerable aquifers, and wellhead protection zones should be conducted during the EA for the different alternative methods and not at the ToR stage.	Comment acknowledged.	The wording has been removed from the proposed ToR.	Addressed Please note that in Section 7.1.3 (Draft Proposed Terms of Reference), Raisin is misspelled as Raison.
Section 1.0: Introduction			
1. Fig 1.2-1 appears to be incorrect. The approved landfill site is much smaller. Please verify actual landfill site boundaries. The figure differs from the key map in public notifications (e.g. website, Notice of Commencement of ToR).	Figure 1.2-1 is not incorrect, as per the legend it does not show the approved landfill but the property boundary of the landfill site. The key map in public notifications shows the approved landfill fill area. Figure1.2-1 has been updated in the proposed ToR.	Figure 1.2-1 has been replaced by Figure 1.0-1 and now shows whole of the Township of North Dundas and the location of the Boyne Road Landfill property boundary as well as the approved landfill fill area.	Addressed
2. The purpose of the undertaking is too specific. The purpose should be broader. For example: an EA is being initiated by the municipality to secure additional waste disposal capacity for the next 25 years since the Boyne Road Landfill is being overfilled. The ToR should include a commitment to confirm the problem. Section 5.2.3 of the ToR Code of Practice states that the proponent will refine the purpose statement if required as it proceeds through the planning process and present the final purpose statement in the EA (if the ToR is approved). A project is defined after a preferred undertaking has been identified during the EA.	Understood.	The purpose of the undertaking has been moved to Section 1.3 of the proposed ToR and updated to be less specific and the ToR now includes a commitment to confirm the problem in the EA.	Partially addressed The ministry notes that the revised purpose of the EA is "To provide environmentally safe and cost-effective long-term residual waste management for the Township of North Dundas for a 25-year planning period." The ministry recommends that the purpose of the EA study be changed to reflect that the Township is proposing to consider ways to manage municipal, non-hazardous solid waste, rather than residual waste. The purpose of the EA should speak to studying long-term solid waste management options to secure additional waste capacity for the Township to be able to continue providing waste disposal services to its residents over a 25-year planning period as the Boyne Road Landfill is overcapacity. The ministry also notes that "project" is used through the ToR. As mentioned previously, a project is defined after a preferred undertaking has been identified during the EA. Therefore, references to "project" in the ToR should be changed to "EA study" or "undertaking".

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
3. On page 4, there is a statement that that the landfill is generally in compliance with provincial surface water management policies and that the results of the site monitoring programs show favourable performance of the Boyne Road Landfill which provides technical justification for expanding the landfill. A discussion of compliance with the existing waste and industrial sewage Environmental Compliance Approvals (ECA) is needed as part of the description of existing conditions (site operations). Additional justification as to why the Boyne Road Landfill site is suitable for expansion and is in an environmentally favourable location is needed.	Understood. This ToR is no longer being focused on landfill expansion and hence additional justification as to why the Boyne Road Landfill site is suitable for expansion and is in an environmentally favourable location is no longer needed in this ToR.	This text has been moved to Section 1.2 of the proposed ToR. The sentence indicating that the favourable performance of the Boyne Road Landfill with respect to monitoring results provides justification for expanding the landfill has been removed. A discussion of the landfill's compliance with its waste ECA has been added. It is noted that the existing Boyne Road Landfill does not have an industrial sewage ECA.	<p>Partially addressed</p> <p>Page ii of the executive summary indicates that the Boyne Road Landfill site is approved for approximately 395,000 cubic metres (m³) of volumetric capacity in 1971 and that as of December 24, 2018, the volume of waste in place was about 533,780 m³.</p> <p>The landfill is approximately overfilled by 139,000 m³ and is currently operating on temporary extensions of ECA Number A482101 which allow the Township to continue operating the landfill subject to the availability of a contingency plan to alleviate any emergency situation for waste management in the local Township, while exploring alternative options for waste management in the Township or pursuing/implementing the long-term waste management plan. The revised ToR should include this information as part of the rationale and purpose for conducting an EA to secure additional long-term waste disposal capacity.</p> <p>Page 3 of the revised ToR still states that results of the landfill monitoring programs show favourable performance of the Boyne Road Landfill. Please modify this wording to reflect that the Boyne Road Landfill site is performing as designed, and the impacts on the natural environment are deemed as acceptable as stated in the latest extension of approval for continued landfilling (dated January 30, 2019). In addition, condition 5.1 of the extension of approval requires the Township to carry out additional water quality monitoring and develop appropriate mitigation measures and implementation schedule to address any consequential environmental impact.</p>
4. An additional description of the site components, site entrance and haul routes are needed in Section 1.3 (Site Description and Waste Management Activities). A figure of the municipal boundaries and service area should also be included in the ToR. This level of detail is expected when describing any landfill sites and the study area.	Understood. Additional information has been added to the proposed ToR as indicated in the next column with the exception of haul routes. As this is no longer an EA of the expansion of the existing landfill, this level of detail is out of context at this stage in the ToR.	Section 1.3 of the draft ToR has been moved to Section 1.2 of the proposed ToR. A description of the site components has been added as well as a description of the existing landfill service area.	<p>Partially addressed</p> <p>MECP suggests that the haul routes be designated on the figures. See comment in memo</p>
5. Fig 1.3-1 could be modified to better match the text in Section 1.3 and indicate property ownership more clearly. The approved landfill site as per the waste ECA should be clearly delineated.	Understood.	Figure 1.3-1 has changed to Figure 1.2-1 in the proposed ToR. Minor changes to the figure have been made to improve clarity.	Addressed
Section 2.0: The EA Process			
1. Section 2.1 states that on February 23, 2017, the Township initiated the EA process by publishing a Notice of Commencement of the EA in local newspapers.	Understood.	This change was made in the proposed ToR.	Addressed

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
This should read that a Notice of Commencement of the ToR was posted, not EA			
2. Section 2.4 references both subsections 6.1(3) and 6.1(2) of the EAA. The proponent states that requirement 6.1(2)(d) will not be carried out. The ToR must clearly state how the EA will be prepared as per subsections 6(2)(a) and 6.1(2), or subsections 6(2)(c) and 6.1(3). Requirement 6.1(2)(d) cannot be removed as it requires the evaluation of advantages and disadvantages of alternative methods of carrying out the undertaking.	Understood.	Section 2.4 has been updated to include requirements of Section 6.1(2)(d) of the EAA.	Addressed
3. Section 2.4 mentions a confirmatory screening assessment of “Alternatives To”. Section 5.2.5 of the ToR Code of Practice provides a number of questions that proponents can use to determine a reasonable range of alternatives to consider during the EA process. These questions are designed to help determine an initial list of alternatives that could be feasible for addressing the problem statement. These questions are not intended to be used as a means by which alternatives are compared and assessed. Section 5.2.5 of the ToR Code of Practice also mentions that proponents may conduct an initial screening of alternatives before or at the ToR stage. This formal screening must include considerations of key environmental factors such as the potential impacts to the natural environment, potential cultural and socio-economic impacts and impacts to Indigenous and Treaty rights. Consultation on scoping down alternatives to the undertaking should be carried out. The detailed screening results should be included in the supporting documentation of the ToR. A screening serves to scope alternatives to the undertaking and is not intended to confirm a preferred undertaking. Typically, it is the ministry’s expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation.	Understood.	The proposed ToR no longer contains a confirmatory screening assessment of ‘Alternatives To’, nor is it mentioned in Section 2.4.	Addressed
4. Section 2.5 (Justification for Submitting a Focused EA) mentions that a study of short-term and long-term waste management alternatives for a 25-year planning horizon was completed in 2015 which can be considered as an assessment of “Alternatives To”. “Do Nothing” or “Additional Waste Diversion” or “Alternative Waste Management Technologies” or “Establish New Landfill Site in the Township” alternatives were not considered in this study. A reasonable range of alternatives to the undertaking compared to the do nothing alternative were not considered in the 2015 study. Therefore, this study does not meet EAA requirements.	Understood. The Township of North Dundas is no longer submitting a focused EA.	Section 2.5 of the draft ToR has been removed.	Addressed

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
<p>A rationale must be provided for not considering other landfill sites. Also, to focus the EA on one landfill site, sufficient justification is required to demonstrate why the expansion of the Boyne Road Landfill is the best/only option based on environmental factors (e.g. previous planning study, good soil, proximity to highway, close to waste transfer station, etc.).</p> <p>Section 5.2.5 of the ToR Code of Practice states that the examination of one alternative compared against the do nothing alternative is acceptable as long as justification is provided for doing so and consultation on that justification has been or will be carried out. However, proponents take a risk that the alternative may not be acceptable to the Minister when a decision is made, and that the proposal may not go ahead.</p>			
5. On page 10, it is stated that traffic studies are not proposed for the EA. However, the impacts of the continued use of haul roads over a 25-year period need to be assessed. Information on the number of trucks that visit the site should also be included in the description of existing conditions. It is inappropriate to use the ToR to screen out consideration of environmental effects	Understood. The proposed EA is no longer focused and so it is now inappropriate to remove any potential environmental effects until the preferred 'Alternative To' is identified and understood.	Section 2.5 of the draft ToR has been removed.	Addressed
6. Section 2.6 (Flexibility of the ToR to Accommodate New Circumstances) of the ToR mentions that circumstances could arise under which minor modifications are necessary or desirable. As per section 5.2.10 of the ToR Codes of Practice, it is important for proponents to be aware that circumstances may arise that could prevent commitments in the ToR from being met. As the ToR cannot be amended after it has been approved it is important to incorporate flexibility into the ToR to accommodate circumstances that could prevent commitments in the ToR from being met. If it is anticipated that that a potential change to a commitment in a ToR may be required, it should be clearly explained in the ToR that the commitment may be subject to further refinement. It should also be clearly identified how the potential refinement will be considered during the EA. To provide this flexibility, the proponent should indicate that the information provided in the ToR sets out the minimum requirements for the EA, state that the information is preliminary, and will be confirmed during the preparation of the EA in consultation with the public, Indigenous communities and government agencies.	Understood. At the time of preparing the ToR, it is not anticipated that a change to a commitment made in the ToR will be required.	Section 2.6 of the draft ToR is now Section 2.5 in the proposed ToR and has been revised to include the necessary description of flexibility in the ToR.	Partially addressed. Section 2.6 still states that "The modifications described above and other similar modifications would be considered minor changes that could be included within the overall scope of this ToR without seeking approval for amendment of the ToR." Please modify or remove this statement as the ToR cannot be amended after it has been approved by the Minister.
Section 3.0: Rationale and Description of the Undertaking			

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
1. Throughout this section, there are repeated references to an Emergency ECA. Please note that the ministry issues amendments to waste ECAs for the continued use of the landfill site. Emergency ECA is the informal reference to these types of waste ECA amendments for small volumetric expansions under 40,000 m3. Please consider using this language for the amendment of the ECA.	Acknowledged.	The language and description of amendments to the ECA to allow for extension of approval for continued landfilling, otherwise known as an Emergency ECA (terminology used by the MECP Approvals Branch), has been updated.	Addressed
2. Section 3.1 mentions that the initiatives made by the province towards achieving zero-waste are likely to first be implemented in urban centres. Section 3.2 mentions that the Strategy for a Waste-Free Ontario is to shift from waste disposal to waste diversion and make waste management a carbon neutral industry. The Waste-Free Ontario Strategy objectives apply Province-wide and speaks to: <ul style="list-style-type: none">○ Minimizing the need for landfills;○ Ensuring that existing landfills are well managed;○ Reducing greenhouse gas emissions; and,○ Improving awareness of diversion opportunities to help drive larger volumes of IC&I waste diversion. Please modify the text in the ToR to reflect these objectives.	Understood. However, the more recent “A Made-In-Ontario Environmental Plan”, by MECP dated November 2018, explicitly indicates that food and organic waste minimization initiatives are for larger cities and it also recognizes there will be a need for landfills in the future as waste reduction plans are being implemented.	Section 3.1 of the proposed ToR has been updated to reflect the newer, more definitive actions outlined in “A Made-In-Ontario Environmental Plan”.	<p>Partially addressed</p> <p>Please note that the Waste-Free Ontario Act is the short-form reference for two pieces of legislation: <i>Resource Recovery and Circular Economy Act</i> and the <i>Waste Diversion Transition Act</i>, 2016. The short-form reference should be expanded to reflect these pieces of legislation that are in effect.</p> <p>Please note that the main goals of this legislation and the Strategy for a Waste-Free Ontario: Building the Circular Economy (2017) are to encourage the redirection of valuable materials destined for landfill back into the economy, shift responsibility to producers for managing the waste they produce, as well as to set the goals for reducing greenhouse gas emissions from the waste sector.</p> <p>The Made-in-Ontario Environment Plan (2018) outlines four actions to reduce and divert food and organic waste from households and businesses:</p> <ul style="list-style-type: none">• Expand green bin or similar collection systems in large cities and to relevant businesses.• Develop a proposal to ban food waste from landfill and consult with key partners such as municipalities, businesses and the waste industry.• Educate the public and business about reducing and diverting food and organic waste.• Develop best practices for safe food donation. <p>Although the Environment Plan mentions expanding green bin or similar collection systems in large cities and to relevant businesses, the province contemplates a proposal to ban food waste from landfill, which does not exclude landfills servicing smaller municipalities.</p> <p>Furthermore, Section 6 of the Food and Organic Waste Policy Statement (Issued on April 30, 2018 pursuant to section 11 of the <i>Resource Recovery and Circular Economy Act</i>, 2016) directs proponents of landfills to explore opportunities to recover rather than dispose of food and organic waste. Policy 6.8 is applicable to this EA which states that:</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
			<p><i>Proponents of new or expanded waste management systems for disposal should consider resource recovery opportunities for food and organic waste.</i></p> <p>Please revise Section 3.1 to reflect the information provided above.</p>
<p>3. Historical waste disposal rates (residential versus IC&I) and waste diversion rates should be included in subsection 3.2 (Problem and Opportunity Assessment) as well as an explanation of why the existing landfill is in an overfill situation. Please include a breakdown of historical disposal rates for residential and IC&I waste and diversion rates where available. What is the existing estimated per capita waste generation rate? The description of existing landfill condition and status should outline the cause for the landfill overfill situation.</p>	<p>Understood. It is noted that some of the requested information, like the breakdown of residential versus IC&I waste disposal rates at the existing landfill is not available.</p>	<p>Section 3.1 of the proposed ToR has been amended to include more details on why the existing landfill is in an overfill situation. Section 3.2 of the proposed ToR has been amended to include an estimated per capita waste generation rate based on the airspace typically consumed annually at the landfill.</p>	<p>Partially addressed.</p> <p>An estimate for the residential waste generation rate was provided in the 2015 Waste Management Alternatives Evaluation Report of 2,900 tonnes/year. Does the Township have information on the amount of curbside waste collected to determine residential waste disposal and diversion amounts?</p> <p>It is the ministry's expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) to reduce the amount of waste going to landfills. The 23 to 25 percent residential waste diversion rate in the Township can be used as preliminary information for the purposes of the ToR, but additional information on waste disposal and diversion projections should be provided during the EA to further support the need for 400,000m³ of additional waste disposal capacity. This exercise should be part of the ToR commitment to confirm the problem in the EA.</p> <p>Section 3.2 also notes that the Township estimates that it would need 400,000m³ of landfill airspace over a 25-year period (2022 to 2047). Please provide clarification if 400,000m³ is the estimated amount of waste that may be generated over the 25-year planning period, or if it is the hypothetical air space (including cover) that would be required if landfilling were selected as the preferred undertaking through the EA process.</p>
<p>4. Waste projections in Table 3.2-3 do not distinguish between residential and IC&I waste disposal rates and assume a 25% diversion rate from 2017 to 2047. Rationale should be provided as to why the waste diversion rate will be the same over the 25-year planning period.</p> <p>The waste projections presented in Section 3.0 could be further broken down to show predicted residential and IC&I annual disposal volumes and anticipated diversion rates. Waste projections should also be consistent with population and employment projections in official planning documents.</p>	<p>There is no information available to distinguish between residential and IC&I generation, disposal or diversion. There is an overall estimated Township diversion rate of about 25%. Other than the use of typical published waste generation statistics, the types of information on waste generation and diversion in North Dundas is not available. As such, it is preferable and considered reasonable to rely on the factual information that is available, i.e., annual landfill airspace consumption on which to base the projections of future residual waste management requirements.</p>	<p>Additional rationale for maintaining a 25% diversion rate for waste projections over the planning period has been added to Section 3.2 of the proposed ToR.</p> <p>Population projections from official planning documents has been added and used in waste projections in the proposed ToR.</p>	<p>Please see the response to (section 3.0) comment #3 above.</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
5. Section 3.4 states the proposed project is the vertical or horizontal expansion of the Boyne Road Landfill and that the design approach will be a site-specific natural attenuation design. As previously mentioned, the preferred undertaking (the project) has been determined at the ToR stage which is inconsistent with EA requirements. The EA should look at alternatives to the undertaking and alternative methods for carrying out the preferred undertaking. Technologies are examined at the alternative methods stage. The design concept for the preferred undertaking is presented near the end of the EA process.	Understood.	Section 3.4 of the proposed ToR has been revised such that the description of the proposed project is now very general.	Addressed
Section 4.0: Assessment of ‘Alternatives To’ to the Project			
<p>1. Section 4.1 indicates that the Waste Management Alternatives Evaluation (Golder 2015) considered technical, approvability and financial factors and that only Alternatives 1 and 2 were considered. Alternatives 3 (new landfill site) and 4 (alternative waste management technologies) were not expected to be financially viable and were therefore not assessed in detail.</p> <p>The Waste Management Alternatives Evaluation (Golder 2015) is not a study similar to an EA as it does not look at the advantages and disadvantages of a reasonable range of alternatives and their effects on all aspects of the environment (including physical, natural, social, economic, etc). It also does not make comparisons against the do nothing benchmark alternative. An update to this section and accompanying Waste Management Alternatives Evaluation will need to be undertaken if the proponent expects to use this document to justify any focussing of alternatives to the undertaking.</p>	Understood.	Section 4.1 of the proposed ToR has been updated and the Waste Management Alternatives Evaluation is no longer being used as a basis to focus the EA.	<p>Partially addressed</p> <p>As section 4.0 has been significantly revised, the ministry recommends that the heading be changed to reflect that the purpose of this section is to describe the range of alternatives that will be evaluated in the EA.</p> <p>The ministry notes that section 4.1 is titled Preliminary Assessment of ‘Alternatives To’ Conducted Prior to the EA. The ministry suggests that this section be renamed to reflect that it describes previous waste management studies completed by the Township.</p> <p>As the Waste Management Alternatives Evaluation (Golder 2015) is not a study similar to an EA, it would be inaccurate to refer the waste management options in this report as alternatives to the undertaking. Alternatives to the proposed undertaking are functionally different ways of approaching and dealing with a problem or opportunity that will be addressed in an EA. For waste management EAs, these are typically different ways of increasing waste disposal capacity.</p> <p>The Township should clarify in section 4.1 that it completed a previous study of waste management alternatives to address the overfill situation at the Boyne Road Landfill and determined that expanding the existing landfill was feasible from a technical and economic standpoint. The Township should also mention that landfill proposals of more than 100,000 m³ of capacity require an individual EA according to the <i>Waste Management Projects Regulation (Ontario Regulation 101/07)</i>.</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
			<p>The waste management alternatives in the 2015 study can be the starting point for the development of alternatives to the undertaking; however, to fulfill EA requirements, the proponent must demonstrate that a reasonable range of alternatives were identified and evaluated with respect to all aspects of the environment (natural, social, cultural, economic, built etc.). In addition, there are requirements to consult on these alternatives as part of the EA.</p> <p>The ToR should outline how alternatives will be developed, assessed and consulted on. It is unnecessary to summarize the 2015 study in detail in section 4.1 as readers are directed to the appendix for more information on this background study.</p>
2. Section 4.1 indicates that preliminary studies were undertaken to assess the potential impacts of expanding the landfill to the south and continuing to operate as a natural attenuation site as it is the only economically viable approach. As discussed, the assessment of different designs for the landfill (methods) and the impact assessment of the preferred undertaking (the project) should be completed during the EA. The development and evaluation of leachate management, landfill gas and stormwater management alternatives should be completed at the alternative methods stage.	Understood.	All discussion of 'Alternatives Methods' for expanding the existing landfill have been removed from the proposed ToR.	Addressed
3. On page 20, there is the statement "The MOECC technical staff considered that the approach taken was appropriate and that the results indicated that an expanded natural attenuation site with the proposed contaminant zone (CAZ) easements could be expected to satisfy the Reasonable Use Guideline (MOECC, 1994) requirements with an acceptable level of confidence." Ministry staff should be consulted during the EA for input on alternative methods. There is also no supporting correspondence for this statement in the Record of Consultation.	It is correct that there is no supporting correspondence for this statement, as it was made during a meeting with the Technical Support Unit during preparation of the 2015 Waste Management Alternatives Evaluation study. That said, the statement does accurately reflect the outcome of that meeting.	The wording on this matter has been modified in Section 4.1 of the proposed ToR in response to this comment.	Addressed
4. Section 4.2 mentions that the "Do Nothing alternative is not an alternative that could even be considered by the Township as it has basic requirements to provide municipal services and infrastructure for its ratepayers. The do nothing alternative is not intended to be considered as a reasonable way in which the problem or opportunity that prompted the initiation of the EA process can be addressed. It represents the benchmark against which the advantages and disadvantages of the alternatives being considered can be measured and compared.	Understood.	The Do Nothing Alternative has been included in the proposed ToR.	Addressed

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
In the evaluation of alternatives to the undertaking, the do nothing alternative acts as a starting point for the comparison of the consequences and benefits of each alternative. The do nothing alternative cannot be screened out and has to be carried throughout the EA as a benchmark. The do nothing alternative needs to be clearly defined and carried throughout the EA process. For more information on the do nothing alternative please see section 5.2.5 of the Code of Practice.			
<p>5. In Section 4.2 (Confirmatory Assessment of “Alternatives To”) the questions for identifying a reasonable range of alternatives in the ministry’s Code of Practice were used to determine a preferred alternative.</p> <p>Section 5.2.5 of the Code of Practice, states that proponents may identify a reasonable range of alternatives for consideration during the EA and offers a set of questions that can be used by proponents when determining the alternatives to be considered during the EA. These questions are designed to aid proponents in identifying an initial range of alternatives that may be within a proponent’s ability to implement, and that should be carried forward for further consideration during the EA process. These questions are for determining the range of alternatives that can address the problem or opportunity that prompted the initiation of the EA process. It should be noted that these questions are not intended to be used as a process by which the consideration of alternatives is limited to only those alternatives that are preferred by a proponent or as a process by which a preferred alternative is determined.</p> <p>Proponents may conduct an initial screening of alternatives before or at the ToR stage. This formal screening must include considerations of key environmental factors such as the potential impacts to the natural environment, potential cultural and socio-economic impacts and impacts to Indigenous and Treaty rights. Consultation on scoping alternatives to the undertaking should be carried out. The detailed screening results should be included in the supporting documentation appended to the ToR. Typically, it is the ministry’s expectation that all municipal proponents undertake waste management planning (e.g. Master Plan) and that alternatives to are considered as part of this process including any relevant consultation.</p>	Understood.	Within Section 4.2 of the proposed ToR, the confirmatory assessment of ‘Alternatives To’ has been removed. The proposed ToR has been changed to assess ‘Alternatives To’ during the EA process.	Addressed
Section 5.0 Description and Rationale for “Alternative Methods”			
1. What is the rationale for not considering other landfill sites in the EA. it is recommended that this is considered in the EA consistent with the code of practice.	Understood. However, it is noted that considering other landfill sites would be an ‘Alternative To’ and not an ‘Alternative Method’ as described in Section 5.0 of the draft ToR.	The proposed ToR has been updated to include an evaluation of other landfill sites as one of the ‘Alternatives To’ as described in Section 4.2.	Addressed

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
2. Section 5.1 discusses alternative leachate treatment options and states that it is expected that the only economically viable approach for the Township is to continue operating an expanded Boyne Road Landfill as a natural attenuation site. The identification and evaluation of alternative leachate management methods should be completed in the EA.	Understood.	Discussion of alternative leachate treatment options has been removed from Section 5.1 of the proposed ToR.	Addressed
3. It is stated that based on the previous preliminary expansion concept (Golder, 2015) and the factors described in Section 5.1 that it is anticipated that the number of different expansion configurations to be evaluated in the EA be limited to two or three. The ToR should describe how a reasonable range of alternative methods will be identified. It appears that an expansion concept (preferred undertaking and project) has already been developed. Variations to a conceptual design are alternative methods that should be considered in the EA.	Understood.	The proposed ToR has been updated such that it is no longer focussed and the preferred 'Alternative To' will be determined in the EA. As such 'Alternative Methods' for expansion of the Boyne Road Landfill are no longer described in the proposed ToR. 'Alternative Methods' are described in a general way in Section 5.0 of the proposed ToR.	Addressed
Section 6.0: Description of Existing Environmental Conditions			
1. Section 6.0 provides a high-level description of the existing environment but does not provide information sources or indicate the geographic area considered when describing the different environmental components. There is limited information on background air quality under subsection 6.1 (Atmosphere). Subsection 6.5 (Land Use) should also indicate the locations of the nearest residences. A more detailed description of the built environment (infrastructure) at and surrounding the landfill site and any other landfill sites should also be included. Focussed assessments require more detail than unfocussed assessments. Subsection 5.2.6 of the Code of Practice indicates that the ToR should include a list and brief explanation of the tools (for example, studies, tests, surveys, and mapping) that will be used to provide a more detailed description of the environment in the EA. The list does not preclude the proponent from conducting additional or more detailed studies as part of the EA. If the proponent intends to use or may potentially use existing studies, this intention must be clearly stated in the ToR.	Acknowledged.	Because of the changed approach to conduct an unfocussed EA and assess 'Alternatives To' in the EA, Section 6.0 of the proposed ToR provides a general description of existing environmental conditions in the regional study area, which is the Township of North Dundas.	Addressed

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
<p>2. There is a statement “As agreed upon by the MOECC and the RSNPR, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the local Source Protection Plan (RSNPR, 2016). The ministry’s Source Protection Programs Branch provided comments on May 9, 2017 which notes that the site is located in: an Intake Protection Zone (IPZ-3) with a vulnerability score of 7; a Highly Vulnerable Aquifer; and, a Significant Groundwater Recharge Area with a score of 6. This existing information could be incorporated into the ToR. Alternatively, the proponent could just indicate that source protection will be considered in the EA.</p> <p>Assessment of potential impacts should be conducted at the EA stage. Please remove wording that suggests that government review agencies agree that landfill expansion would not be a significant drinking water threat as information presented at the ToR stage is considered preliminary and the impact assessment is not completed.</p>	Acknowledged. Because this consultation did take place as part of the ToR preparation, it is considered appropriate to include a summary and the correspondence in the ToR documentation, with modifications to address the MECP comment.	The description of this pre-consultation with MECP SPPB and RSNPR has been moved to Section 4.1 of the proposed ToR; the wording requested by MECP to be removed has been removed and it is stated that the issue of source water protection will be further assessed in the EA, as appropriate.	Addressed
<p>3. In Section 6.8, it is noted that the operating costs for the landfill are \$55,000. Please provide clarification on this figure as it is not understood if this is a yearly cost, as the document it refers to is the 2015 Golder Report and the timeframe is from December 2015 and November 2016.</p>	Acknowledged.	This section has been removed from the proposed ToR.	Addressed
Section 7.0: EA Methodology			
<p>1. In this section, the study areas proposed: “site” and “site-vicinity” are limiting in scope.</p> <p>Section 5.2.6 of the Code of Practice states that the study area is where all activities associated with the undertaking will occur and where potential environmental effects will be studied. At the ToR stage, the off-site study area should be broad enough to cover all direct and indirect environmental effects that could result from a waste management proposal, as well as large enough to accommodate the identification of a reasonable range of alternatives to the undertaking. For municipalities, this is typically the municipal boundaries or service area.</p>	Acknowledged.	In the proposed ToR, section 7.0 has been deleted and a general description of EA assessment and evaluation methodology has been incorporated into Section 5.1. This includes the identification of appropriate study areas during the EA, depending on the preferred ‘Alternative To’ identified.	Addressed

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
<p>If the ToR proposes a focused EA to study a particular landfill site, the preliminary off-site study area should be large enough to encompass all waste management related activities. The ministry's guideline D-4 Land Use On or Near Landfills and Dumps applies to all proposals for land use on or near any landfill or dump which contains municipal solid waste, industrial solid waste and/or sewage sludge. It mentions that the ministry considers the most significant contaminant discharges and visual problems to be normally within 500 metres of the perimeter of a fill area and that the ministry recommends this distance be used as a study area for land use proposals. However, this 500 metre buffer area is not appropriate for an EA study area because for the purposes of an EA, the study area should be broad enough to cover all direct and indirect environmental effects that result from landfilling activities such as waste hauling and off-site leachate disposal.</p> <p>Subsection 4.2.3 of the Code of Practice for Preparing and Reviewing Environmental Assessments in Ontario (January 2014) mentions that if the study area defined in the approved ToR was preliminary, the proponent will finalize its boundaries before describing the environment. The study area for each component of the environment may vary depending on the alternatives and the geographic extent of the potential environmental effects. It is important to clearly describe how and why the boundaries of the overall study area and the study area(s) for each environmental component were chosen to ensure that direct and indirect effects are assessed.</p> <p>At the alternative methods evaluation stage, study areas for individual impact assessments for each technical discipline can vary; however, the overall EA study area should encompass all of the discipline-specific study areas. All study areas, including discipline-specific study areas (e.g. air quality, cultural heritage, groundwater etc.), proposed at the ToR stage should be refined during the EA process in consultation with government agencies, Indigenous communities and interested members of the public.</p>			
<p>2. Subsection 7.3 should include a statement indicating that the criteria, indicators and data sources for the evaluation of alternative methods are preliminary. Government review team agencies, Indigenous communities and members of the public should have an opportunity to provide input on the criteria, indicators and data sources during the EA. By indicating that the criteria, indicators and data sources are preliminary it provides flexibility in the ToR.</p>	<p>Acknowledged.</p>	<p>See action taken as per response to comment 1 on this section of the draft ToR. Section 5.1 of the proposed ToR does contain a statement as suggested in the MECP comment.</p>	<p>Addressed</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
<p>3. Criteria pertaining to the built environment and financial costs are missing. Some of the indicators in Table 7.3-1 (e.g. biology, land use, archaeology, culture) need to be more specific to determine how potential impacts to environmental components will be measured.</p> <p>The built environment (roads, site infrastructure) as well as financial costs (capital, operation and maintenance, lifecycle costs) should be considered in the evaluation of alternative methods.</p> <p>Traffic effects should also be included as an evaluation criterion.</p> <p>Section 4.2.4 of the Code of Practice (Environmental Assessment) states that indicators are how potential effects will be measured for each criterion. It is recommended that definitions of criteria and indicators be included in the evaluation methodology outlined in the ToR. Indicators need to be measurable and/or reportable to be able to ascertain a change to the environmental criterion.</p>	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. A set of proposed general preliminary evaluation criteria for comparison of 'Alternatives To' are provided in Section 4.2 of the proposed ToR. A set of typical environmental components that would be evaluated to compare 'Alternative Methods' are listed in Section 5.1 of the proposed ToR.	Addressed
<p>4. On page 43, "Continued service to residents" is listed as an environmental sub-component. Providing "Continued service to residents" is part of the purpose for carrying out the EA and not an environmental criterion. Other sub-components can be added to assess effects to local residents such as traffic and litter.</p>	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR.	Addressed
<p>5. The socio-economic category does not include financial evaluation criteria. Examples of financial criteria are capital, operation and maintenance, as well as overall lifecycle costs as an EA looks at the impacts of all phases of the proposed undertaking (planning, detailed design, tendering, construction, operation, closure and decommissioning).</p>	Acknowledged.	See action taken as per response to comments 1 and 3 on this section of the draft ToR.	Addressed
<p>6. Subsection 7.5.3 (Task 3 – Qualitatively Assess the 'Alternative Methods' for Landfill Expansion) mentions that the EA project team will qualitatively predict the effects for each "Alternative Method".</p> <p>The evaluation of alternative methods with respect to different components of the environment can be qualitative or quantitative. Please provide an explanation as to why the alternative methods evaluation will consist of only a qualitative assessment.</p>	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. The general methodology provided in Section 5.1 of the proposed ToR indicates that qualitative or quantitative methods could be used, as appropriate of that environmental component.	Addressed

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
Similar to a quantitative analysis, a qualitative analysis should be based on objective data and references/sources. A qualitative analysis should follow appropriate traceable and replicable methodology. Qualitative assessments are encouraged where quantitative information is not available and thus a quantitative analysis is not possible. If known, the proponent should identify the specific evaluation methodology that will be used to assess the proposed project (e.g. reasoned argument approach).			
<p>7. Subsection 7.5.3, pg. 43 mentions that each “Alternative Method” of the Boyne Road Landfill expansion will be examined to determine if it would ultimately be approvable under the Environmental Protection Act. It also mentions that “At this point, the EA project team may also consider additional alternatives to the project that may have been identified by the public or other parties during the EA process”.</p> <p>The potential approvability of the alternative method is typically considered when determining a reasonable range of alternative methods to carry forward to a detailed evaluation. The addition of alternative methods based on input from consultation activities should be part of Task 2 – Develop the ‘Alternative Methods’ of Landfill Expansion.</p>	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. This has been removed in the proposed ToR.	Addressed
<p>8. Subsection 7.5.4 mentions that the alternatives will be compared qualitatively using the sub-components and indicators presented in Table 7.6-1 and the advantages and disadvantages will be described.</p> <p>When completing the evaluation of alternative methods, each method should first be compared against the ‘do nothing benchmark (existing baseline conditions) to measure the consequences of each alternative method on the environment. The evaluation process examines trade-offs, in which the advantages and disadvantages of each alternative are weighed in terms of their net effects, both positive and negative, on the environment. This should be mentioned in the ToR.</p>	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. Section 5.1 of the proposed ToR describes comparison with the Do Nothing alternative in the general methodology.	Addressed
9. Subsection 7.5.7 mentions that the cumulative effects assessment will consider the net effects of the project combined with the predicted effects of other existing and identified certain and probably projects in the area of the site, where the effects would overlap.	The description provided in Section 7.5.7 of the draft ToR was intended to fulfil the description of cumulative impact assessments as per Section 4.3 of the Code of Practice.	See action taken as per response to comment 1 on this section of the draft ToR. Cumulative effects assessment is described as a component of the EA in the general methodology provided in Section 5.1 of the proposed ToR.	Addressed

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
Section 4.3 of the Code of Practice encourages the proponent to include information about potential cumulative effects of the project in combination with past, present and reasonably foreseeable future activities where possible. Proponents are advised to consult with government agencies to identify any already-approved projects that will be built in the future and to consider their potential cumulative impacts to the extent possible. Please include this as a commitment in the ToR. The study areas for cumulative effects assessments typically encompass areas larger than the area in the vicinity of the landfill site.	It should be recognized that in any area selected for waste management in this largely rural and expected low growth municipality, there is likely to be a limited number of existing and planned projects. Also, the study area for cumulative effects assessment is not considered to necessarily be larger than the study areas associated with assessment of impacts for the preferred 'Alternative To', since the potential impacts have to overlap in time and space.		
10. Climate change effects on the project only consider impacts to the stormwater management system. Effects of climate change on the leachate management system and stability of waste pile slopes are other infrastructure components that should be considered. Please refer to ministry's guide "Considering climate change in the environmental assessment process (2017)" for climate change assessment resources.	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. Climate change effects assessment is described as a component of the EA in the evaluation and assessment methodology provided in Section 5.1 of the proposed ToR.	Addressed
11. Subsection 7.6 indicates that the "EA work plans may be updated and revised throughout the EA process based on continuing discussions with stakeholders." More detailed work plans are developed at the EA stage. The ToR should state that the work plans are preliminary and will be further refined/developed in consultation with agency stakeholders, Indigenous communities and the public at the beginning the EA.	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. With an unfocussed EA, preliminary technical work plans are not part of the proposed ToR. Section 5.1 of the proposed ToR describes the preparation of detailed work plans during the EA as per the MECP comment.	Addressed
12. Table 7.6-1 (Draft Proposed Work Plans) indicates that the qualitative evaluation of 'Alternative Methods' will involve describing the differences between 'Alternative Methods' and ranking each alternative. More description on how alternative methods will be evaluated in the EA is needed in the ToR. The evaluation of alternative methods is a detailed assessment and often involves modelling activities to determine potential effects, such as air quality effects, stormwater effects, contaminating lifespan for leachate and landfill gas etc. for each alternative method.	Acknowledged.	See action taken as per response to comment 1 on this section of the draft ToR. With an unfocussed EA, preliminary technical work plans are not part of the proposed ToR.	Addressed
Section 8.0 (now 7.0): Consultation			

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
<p>1. The government review team agencies contacted should be listed in Section 8.1.1 (Notice of Commencement and Open House #1).</p> <p>Section 8.0 should provide a list of the government review team agencies contacted and summarize comments and feedback received from each agency.</p> <p>Please note that the Environmental Assessment Government Review Team Master Distribution List in the Record of Consultation is dated November 2016. A more current list is available from the ministry and will be useful in updating the EA contact list. An updated list is provided as an attachment to this memo.</p>	<p>Understood.</p> <p>All feedback received from the GRT was provided in Section 8.0 of the draft ToR and therefore no change has been made to the proposed ToR in this regard.</p> <p>An updated Environmental Assessment Government Review Team Master Distribution List was provided to the Township by the MECP in November 2018 and it was reviewed ...</p>	<p>The government review team agencies contacted are provided in Volume 3- Appendix B and have changed through the process of the ToR development as feedback has been received from these agencies. The listing of agencies has been added to Section 8.1.1 of the proposed ToR.</p>	<p>Addressed</p>
<p>2. Table 8.1-1 (Stakeholder Responses) only summarizes responses from agency stakeholders regarding the Notice of Commencement of the ToR.</p> <p>Section 5.3.1 of the Code of Practice indicates that the proponent must clearly and accurately summarize the comments made by all interested persons during the preparation of the ToR.</p> <p>Section 8.0 should contain summary tables that outline comments and proponent responses to questions/inquiries from the public as well as those provided by MECP, other agency stakeholders and Indigenous communities.</p>	<p>As stated in Section 8.1.1, Table 8.1-1 summarizes all GRT responses received on the NOC and Open House #1. Section 8.1.1 also states only one member of the public commented on the Open House #1 material with regard to ranking of criteria presented. No other comments on the NOC or Open House #1 were received.</p> <p>As stated in Section 8.1.2, no comments related to the ToR were received from the public or GRT with regard to Open House #2.</p> <p>As stated in Section 8.1.3, all GRT groups who provided comments are listed and a brief summary of their concerns is provided with greater detail provided in Volume 3-Appendix G3. No comments were received from the public</p> <p>As outlined in Section 8.1.4, only one Indigenous community engaged with the Township and they expressed a desire to be involved in any archaeological studies completed at the Boyne Road Landfill site.</p>	<p>No change. Note that Section 8.0 of the draft ToR is Section 7.0 of the proposed ToR.</p>	<p>Addressed</p>
<p>3. On page 61, the statement “As agreed upon by the MOECC and the RSNPR, the proposed expansion of the Boyne Road Landfill would not be a significant drinking water threat and would not be subject to Source Water Protection Policies WASTE-1 and WASTE-2 under the local Source Protection Plan (RSNPR, 2016)” appears again in sub-section 8.1.3.</p> <p>The Record of Consultation includes a memo from the ministry’s Source Protection Programs Branch which provides comments and suggestions on items that need further consideration. These comments as well as an indication of how the proponent has addressed the comments should be included in a summary table in Section 8.0 of the ToR. It is also unclear from Section 8.0 or the Record of Consultation as to whether the South Nation Conservation Authority was consulted during the ToR.</p>	<p>See response to MECP comment 2 on Section 6.0 of the draft ToR. It is noted that Volume 3- Appendix F contains a memorandum that provides a technical assessment of the comments and suggestions provided by SPPR, which was provided in the circulation of the draft ToR. The draft ToR circulation included SPPR, who did not provide comment. The correspondence in Volume 3- Appendix F shows that SNC was consulted on this matter. It is also noted that SNC is part of the GRT list.</p>	<p>The description of this pre-consultation with MECP SPPB and RSNPR has been moved to Section 4.1 of the proposed ToR.</p>	<p>Addressed</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
<p>4. Sub-section 8.1.4 (Consultation with Indigenous Communities) references a letter from the ministry “explaining that there was no immediate duty to consult with all but the Algonquins of Ontario Consultation Office, the Mohawks of Akwesasne and the Huron-Wendat Nation”. The Community Engagement Plan in the Record of Consultation should include a list of Indigenous communities to consult.</p> <p>The letter from the ministry which formally delegates the procedural aspects of the Crown’s duty to consult to the proponent provides a list of communities that should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that could be adversely affected by the undertaking based on preliminary information. The letter does not indicate that there is “no immediate duty to consult” with other communities.</p> <p>Sub-section 8.1.4 should state that the ministry has delegated the procedural aspects of consultation with Indigenous communities to the proponent. The section should include an overview of the proponent’s responsibilities. Please note that Indigenous communities should not be referred to as stakeholders in the Community Engagement Plan found in the Record of Consultation.</p>	<p>Acknowledged.</p> <p>It is noted that the Community Engagement Plan in the Record of Consultation was prepared in November 2016, in advance of the NOC and the MECP providing the listing of Indigenous communities to engage for consultation. As such it is not considered necessary to include the list of Indigenous communities within the Community Engagement Plan.</p>	<p>The wording in regard to the duty to consult has been modified in the proposed ToR.</p>	<p>Not addressed</p> <p>Please see MECP responses to (executive summary) comment #4.</p> <p>Consulting with Indigenous communities is intended to allow the proponent to identify, consider and respond to potential concerns and issues of Indigenous communities in addition to provide those communities with an opportunity to receive information about, and have meaningful input into the development of the ToR and EA. Some Indigenous communities have developed guidelines and protocols for consultation; therefore, specific approaches for engaging with Indigenous communities should be reflected in consultation plans developed for the ToR and EA.</p>
<p>5. In Section 8.2, it is noted that a Draft EA will be circulated to the public for a period of 5 weeks. Please note that this timeframe will need to be discussed with MECP staff and may require additional time. We would suggest that this wording be removed from the ToR. In addition, please include other stakeholders and agencies into this section, as the reference is only to public comments.</p>	<p>Acknowledged.</p>	<p>The wording has been modified in the proposed ToR as per the MECP comment.</p>	<p>Addressed</p> <p>Please also include the commitment to circulate a draft EA in section 9.0 (EA Schedule) and Table 10.1-1 (List of ToR Commitments).</p>
<p>6. With Regards to the Consultation Plan itself, it is noted that the description of the plan appears to be inadequate. Typically, a consultation plan includes the following:</p> <ul style="list-style-type: none"> ○ Objectives; ○ General consultation methods proposed; ○ How input will be obtained; ○ Description of key decision-making milestones; ○ Issue resolution strategy; ○ A statement that the proponent will consider flexibility; ○ Aboriginal consultation plan – needs to be designed to encompass unique needs of Aboriginal communities - language, communication styles, preferences, access to communication tools. <p>Please refer to Section 5.2.9 of the ToR Codes of Practice for more information on consultation plans.</p>	<p>Acknowledged.</p> <p>It is noted that the ToR Code of Practice indicates that in choosing the most appropriate level of consultation, the proponent should consider the complexity of the proposed undertaking, the level of potential concerns and controversy, and the extent of the potential environmental effects of the proposed undertaking. It should be noted that the Township does not consider this proposed undertaking as complex, and the consultation record of the draft ToR demonstrates the lack of potential concern or controversy. It has been demonstrated that there is very little interest or concern regarding this undertaking. As such it is appropriate that this is considered with regard to this Consultation Plan.</p>	<p>The current format of the Consultation Plan is similar to other approved plans in other waste ToRs. Nevertheless, the Consultation Plan has been updated in Section 7.2 of the proposed ToR to include the information requested.</p>	<p>Not addressed</p> <p>As the community engagement plan was developed in November 2016, the ministry recommends that a commitment be made in the ToR to update the plan during the EA so that it meets the requirements outlined in Code of Practice: Consultation in Ontario’s Environmental Assessment Process (2014).</p>

Comment Received	Township of North Dundas Response	Updates to ToR	MECP follow up response
Section 9.0 (now 8.0): Other Regulatory Approvals			
1. It is recommended that a commitment be made in this section indicating that the list of regulatory approvals is preliminary and is subject to changes and refinement during the EA based on consultation with regulatory agencies.	Acknowledged.	Because of the change to an unfocussed EA, this section has been modified to be more general in the proposed ToR.	Addressed
Section 11.0 (now 10.0): Commitments and Monitoring Strategy			
1. Only one commitment is listed in Table 11.1-1 (List of Commitments). As per section 5.2.8 of the ToR Code of Practice, a commitment statement should be included in the ToR to develop a monitoring framework during the preparation of the EA. The monitoring framework will consider all phases of the proposed undertaking (planning, detailed design, tendering, construction, operation, closure and decommissioning). Where appropriate this framework must include compliance monitoring and effects monitoring. Table 11.1-1 should include a summary of all ToR commitments that address specific comments and concerns raised during the preparation of the ToR. This ToR commitments table serves to demonstrate that the EA was carried out in accordance with the approved ToR when a final EA is submitted to the ministry.	The commitment statement regarding a monitoring framework is in Section 11.2 of the draft ToR (now Section 10.2 of the proposed ToR).	A summary of all ToR commitments is provided in the table in Section 10.1 of the proposed ToR.	Partially addressed Please ensure that all commitments made in the ToR are captured in Table 10.1-1 (List of ToR Commitments).

Reference Documents:

Ministry of the Environment. January 2014. Code of Practice: Consultation in Ontario's Environmental Assessment Process. <https://dr6j45jk9xcmk.cloudfront.net/documents/1792/3-8a-1-consultation-in-ontarios-ea-process-en.pdf>

Ministry of the Environment. January 2014. Code of Practice: Preparing and reviewing terms of reference for environmental assessments in Ontario. <https://www.ontario.ca/page/preparing-and-reviewing-terms-reference-environmental-assessments-ontario>

Ministry of the Environment, Conservation and Parks. April 2018. Food and Organic Waste Policy Statement. <https://www.ontario.ca/page/food-and-organic-waste-policy-statement>

Ministry of the Environment, Conservation and Parks. November 2018. A Made-in-Ontario Environment Plan. <https://www.ontario.ca/page/made-in-ontario-environment-plan>

Ministry of the Environment. March 2007. Guide to environmental assessment requirements for waste management projects. <https://www.ontario.ca/page/guide-environmental-assessment-requirements-waste-management-projects>

Edmond, Trish

From: Sanzo, Adam (MECP) <Adam.Sanzo@ontario.ca>
Sent: July 5, 2019 3:27 PM
To: Edmond, Trish
Cc: Smolkin, Paul; Hanschell, Jessica; Marcerou, Yannick; dfroats@northdundas.com; Lee, Carolyn (MECP); Desautels, Solange (MECP)
Subject: RE: Updated Boyne ToR

EXTERNAL EMAIL

Hey Trish and company,

We have completed our review of the revised ToR and there are still a few comments that have still not been addressed- as well as a couple grammatical/formatting errors we have found

In order to try and expedite the process- we will just list the comments below and not prepare any formal memo.

- There is still frequent mention of residual waste. In the glossary it is defined as “The waste material that cannot be diverted through recycling or other processes and requires disposal” but in Section 3.2 it is defined as “Residual solid waste is the waste remaining for disposal/incineration/export after diversion/recycling activities.” I understand that you may be referring to post-diversion waste (waste after at-source diversion activities); however when it says the emergency ECA requires the Township to evaluate long term *residual* waste management alternatives or that the 2015 Golder study looked at long-term *residual* waste management alternatives, this wording is inconsistent because the ECA or the 2015 Golder study does not use the term. The ECA condition mentions a long-term waste management plan. The 2015 Golder study mentions residual materials as bottom ash from incineration. The document should just say waste for disposal or long-term waste management plan and remove references to residual for clarity. This correction needs to be made wherever the rationale for the EA study is mentioned (Exec summary, section 3.1).
- There is still wording saying that the MECP advised that “a reduced list of Indigenous communities was appropriate for this EA study via letter.” This sentence should be removed throughout the document (Exec summary and section 7.2.4).
- The ToR presents an EA schedule (Exec summary and Section 9) that says that “following circulation of the draft ToR for comments, the proposed ToR is being submitted for the Minister’s approval in June 2019”. This wording should be changed. More appropriate wording is “this ToR is subject to a 30-day comment period which will be followed by a Minister’s decision on the ToR.”
- The terms in the glossary should be reviewed for accuracy and to ensure that the definitions are generic for consistency. There is reference to the Boyne Road Landfill under “site life”. “Undertaking” is defined as the activities associated with the EA for the proposed residual waste management plan, as described in this ToR or the EA Study. The EA Act and Codes of Practice define “undertaking” which the proponent should use. The definition for “Terms of

Reference” mentions the Ministry of the Environment and Climate Change (please ensure that our current ministry name is used throughout document- Ministry of the Environment, Conservation and Parks).

- Section 2.1 incorrectly references Section 4 of O. Reg 101/07 saying that “long-term residual waste management for modified landfill volume or incineration without energy from waste (EFW) is subject to an EA because disposal capacity for more than 100,00m³ is expected to be required and greater than 10 tonnes of waste per day is expected respectively”. The proponent should endeavour to use the actual language in the regulation below:

Change to landfilling site or dump, increase in total waste disposal volume

4. A change to a landfilling site or dump is defined as a major commercial or business enterprise or activity and is designated as an undertaking to which the Act applies, if the total waste disposal volume of the landfilling site or dump after the change would exceed by more than 100,000 cubic metres the total waste disposal volume that the landfilling site or dump was authorized to have under the *Environmental Protection Act* before the change. O. Reg. 101/07, s. 4.

- Section 3.1 mentions that “As an Ontario municipality responsible for providing waste services for its ratepayers, the Township’s objective in undertaking this EA is to obtain approval for a long-term solution for residual waste disposal while concurrently evaluating diversion opportunities that will describe the residual waste management need over the planning period.” More appropriate wording would be “while concurrently evaluating diversion opportunities to reduce of the amount of waste generated for disposal over the planning period.”
- Section 3.1 should include the section number (6.8) of the Food and Organic Waste Policy Statement that states that “*Proponents of new or expanded waste management systems for disposal should consider resource recovery opportunities for food and organic waste.*”
- “MECP Policy” is mentioned a few times in the document (Sections, 3.1, 3.2, 7.3). More than one policy applies (e.g. Provincial Policy Statement, Food and Organic Waste Policy Statement), and the policies are cabinet-approved Provincial policies, not just MECP policies. More appropriate term would be “Provincial policies.”
- Section 3.2 mentions a provincial “residential diversion target of 60%”, please confirm the source. Section 2. (Targets) of the Food and Organic Waste Policy Statement outlines targets and municipalities to which they apply. Not sure where the 60% comes from.
- In section 4.2, page 27- it appears that the descriptions for Alternative 5 (do nothing) and Alternative 6 (diversion) are not consistent with the ones listed previously on page 26 (alt. 5 is diversion and alt. 6 is do nothing)- please revise and correct this inconsistency.

Let me know if you have any questions on these comments.

Regards,

Adam Sanzo | Project Officer
Environmental Assessment and Permissions Branch

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If you have any accommodation needs or require communication supports or alternate formats, please let me know.

Si vous avez des besoins en matière d'adaptation, ou si vous nécessitez des aides à la communication ou des médias substituts, veuillez me le faire savoir.

From: Edmond, Trish <Trish_Edmond@golder.com>
Sent: June 26, 2019 1:09 PM
To: Sanzo, Adam (MECP) <Adam.Sanzo@ontario.ca>
Cc: Smolkin, Paul <Paul_Smolkin@golder.com>; Hanschell, Jessica <Jessica_Hanschell@golder.com>; Marcerou, Yannick <Yannick_Marcerou@golder.com>; dfroats@northdundas.com
Subject: Updated Boyne ToR

Hi Adam,

I have attached the updated ToR in word version with track changes so the MECP can see what has changed. Also attached to this email are the comment / response tables to MECP along with an updated figure for submission. We would kindly appreciate a speedy review of this material so we can move on to the distribution of the ToR to stakeholders.

Thanks,
Trish

Trish Edmond (M.E.Sc., P.Eng.)
Geoenvironmental Engineer / Associate



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