

each 'alternative method' using the do nothing alternative as the reference benchmark or baseline.

Consultation

With regards to Indigenous consultation, the ministry notes that to date the proponent has not received substantive comments from any interested communities. It will be important for the proponent to demonstrate in the final EASR that they have obtained, or at least made meaningful attempts to obtain, input on the draft EASR from the communities that have expressed an interest in the project, at minimum. This should include follow-up with communities and be documented in the final EASR and consultation record.

Next Steps

As information was missing or incomplete in your draft EASR, additional review will be required prior to the submission of a final EA to the ministry. Additional comments may be provided at that time. The ministry expects that you will also provide responses to the enclosed comments prior to the formal submission of the EASR and seek the ministry's acceptance of the proposed method of addressing issues. To facilitate ministry review and support effective issues resolution, please submit responses to all ministry comments in table format, organized by reviewer as well as the final consultation record. The ministry is available to meet with you to discuss any questions you may have, and to support you in resolving any issues prior to the submission of the final EASR.

In advance of submitting the final EASR, you may wish to consult interested persons with regards to the revisions during the final Public Information Centre, as well as meetings with Indigenous communities, and other interested parties. The final EASR should include documentation of those activities as well as any changes that were made to the documentation to address concerns.

Should you have any questions or require further information, please contact the undersigned at 437-770-6953 or by email at jordan.hughes@ontario.ca.

Sincerely,



Jordan Hughes

Attachment

c: Solange Desautels, Supervisor, Environmental Assessment Branch

North Dundas Waste Management Plan

#	Reference to North Dundas Waste Management Plan draft EASR	Comments & Rationale	Proposed Action/Solution	How Addressed in the EA
Environmental Assessment Branch, Jordan Hughes, Project Officer				
1	Executive Summary	In accordance with Section 4.3.1 of the Code of Practice: Preparing and Reviewing Environmental Assessments in Ontario 2014 (Code of Practice) and Regulation 334, the Environmental Assessment Study Report (EASR) for the North Dundas Waste Management Plan should contain a brief summary of the environmental assessment generally organized in accordance with the relevant matters set out in subsection 6.1 (2) of the Act (e.g. such as).	As previously indicated to MECP, please ensure that an executive summary is completed for the draft EASR.	An Executive Summary has been prepared and included in the draft EASR, organized by the sections of the EASR to meet the requirements of the Act.
2	Glossary of Terms	<u>Term - EA Study</u> The description of the term uses "as described in this ToR prior to the refinement of the definition of the proposed undertaking". Needs to be updated to the current EASR, not the Terms of Reference (ToR). <u>Term - (the) Site</u> (the) Township of North Dundas is used to describe the term. Needs clarity in whether it means the landfill site or the Township as a whole. <u>Term - (the) Undertaking</u> The description of the term uses "as described in this ToR". Needs to be updated to the current EASR, not the ToR.	Please make corrections accordingly.	Requested corrections to EA Study and Undertaking made in the Glossary of Terms. It is confirmed that the 'Site' refers to the Township of North Dundas for the purpose of the 'Alternatives To' assessment. References to the Boyne Road landfill uses the word 'site' (not capitalized).
3	Description of EA Study 1.1	This section includes "the proposed Environmental Assessment (EA) Study is the EA of the Township's waste management plan for a 25-year planning period. The description and rationale will evolve during the preparation of the EA. A description of the undertaking will be defined after a preferred undertaking has been identified during the EA. Therefore, the final description of the proposed undertaking and the rationale for it will be included in the EA once alternatives have been considered and evaluated." This is the EASR document, and the tense of this description needs to be changed and updated.	Please make corrections accordingly.	Corrections made in Section 1.1 as requested.
4	Current Waste Management System 1.3	The remaining capacity of the Boyne Road Landfill in cubic metres can be provided to give an indication of landfill space remaining relative to the approved capacity. This section does not include any mention or description of the haul route.	Provide the remaining landfill capacity in cubic metres and discuss the operation of the haul route.	Requested information added to Section 1.3.

North Dundas Waste Management Plan

#	Reference to North Dundas Waste Management Plan draft EASR	Comments & Rationale	Proposed Action/Solution	How Addressed in the EA
5	Current Waste Management System 1.3	Consider reorganizing this section to include "Site History and Background" that will include site history and details followed by "Current Site Waste Management System" that includes the current operations and capacity.	Reorganize information so that the site history and background is separated from current site information.	Section 1.3 has been reorganized into two subsections, 1.3.1 and 1.3.2, to improve clarity. This is an introductory section of the EASR, intended to generally describe the current waste management system as background for the reader. A greater level of detail is not considered to be appropriate, since the preferred 'Alternative To' has not yet been identified.
6	Current Waste Management System 1.3 Noise 11.2.1.2	"The parcels are shown on Error! Reference source not found. " Reference to source relating to the Townships acquisition of groundwater easements unavailable. "The indicator for Noise is: Error! Unknown document property name. Error! Unknown document property name. " Reference to source relating to noise indicators not available.	Please make corrections accordingly.	Requested correction made in Section 1.3; we did not see what is referred to in Section 11.2.1.2.
7	2.1 Rationale and Purpose of Proposed Undertaking	It is stated that "the purpose statement will be influenced by diversion studies proposed by the Township and made as a commitment in the ToR. It was proposed that the diversion studies be conducted during the EA, early in the process to provide input into post-diversion residual waste management requirements. Diversion is also an 'Alternative To' in this EA. The Waste Diversion Study is provided in Volume 3 Appendix J to the main EASR". The Diversion study was conducted as part of the current EASR, and as such the influence of the results from the study should be indicated. The ministry will have more comments in this regard after the Resource Recovery Branch provides their technical review.	Please revise to reflect the studies undertaken during the EASR.	Reference added in Section 2.1 to a summary of the diversion study results in Sections 6.3.5 and 7.0. Additional information from the findings and conclusions of the diversion study have also been added in Section 7.0.

North Dundas Waste Management Plan

#	Reference to North Dundas Waste Management Plan draft EASR	Comments & Rationale	Proposed Action/Solution	How Addressed in the EA
8	Organization of the EA Study Report 2.3.2	In accordance with section 2(1) of Regulation 334, the EASR should contain a list of studies and reports done in connection with the undertaking or matters related to the undertaking. The EASR should also include a list of additional studies and reports related to the undertaking but are not under the control of the proponent. The draft EA does not include a list of additional studies and reports related to the undertaking. The full names of reports in support of the EASR need to be included in the list of "Volume 2 Technical Appendices" for clarity.	Revise the EASR report to include a list of the studies and reports completed, as well as a list of additional studies and reports related to the undertaking but are not under the control of the Township. Add the full titles done in connection with the EASR to the list of Volume 2 Technical Appendices list. Additionally, a table can be provided that lists and describes the technical studies completed.	The organization of this EASR is different when compared to others more recently completed for Individual EAs for waste management projects in that all of the studies/work completed for the EA are contained in the EASR with the exception of the Stage 1 Archaeological Assessment contained in Volume 2, Appendix G-2; and the supporting memo and report on Alternative 3 – New Landfill Site Selection Assessment, Application of Exclusionary Criteria and Mapping to Identify Potential Sites and the Waste Diversion Study, respectively, in Volume 3 . The other Appendices in Volume 2 for various environmental components contain supporting information, calculations, etc. for the studies within the EASR itself. For clarity, some additional annotation of Section 2.3.2 has been provided and, where appropriate, reports noted. A complete list of reference documents (additional studies and reports) is provided in Section 19.0 of the EASR (as indicated in the listing of the Sections comprising Volume I in Section 2.3.2), and those documents are properly referenced wherever used/relied upon throughout the EASR.
9	Indigenous Community Involvement 4.7	With regards to Indigenous consultation, the ministry notes that to date the Township has not received substantive comments from any interested communities. It will be important for the Township to demonstrate in the final EASR that they have obtained, or at least made meaningful attempts to obtain, input on the draft EASR from the communities that have expressed an interest in the project, at minimum. This should include follow-up with communities, including the final Open House.	Please ensure that meaningful attempts with indigenous communities is made and documented in the final EASR including the final Open House. Furthermore, please provide a copy of the record of consultation for ministry review when it is available.	A complete record of consultation, and attempted consultation with Indigenous Communities is provided in the Volume 4 Consultation Record (which is provided as part of the draft EA package) and summarized in Sections 4.4.2, 4.7 and 4.8.6 of Volume I.

North Dundas Waste Management Plan

#	Reference to North Dundas Waste Management Plan draft EASR	Comments & Rationale	Proposed Action/Solution	How Addressed in the EA
10	<p>Noise 5.2.2 6.3.2 Alternative 2 – Landfill Site Expansion Identification of the Preferred ‘Alternative To’ 6.5 Archaeological Resources 9.7.1 Landfill Gas (LFG) Management 12.4 Emissions Estimate 13.1.1.1</p>	<p>Sufficient Level of Detail: The EA is the main document and as a result should be sufficiently detailed, so that it can stand on its own and provide a complete picture of the planning process and its conclusions. It should, in detail, provide sufficient information and understanding of the potential undertaking, the existing environment, and evaluation of the alternatives, environmental effects and impact management, as well as consultation undertaken throughout the EA process. Appendices serve to provide additional technical information for the interested reviewer or reader. The EA, including supporting appendices, must be logically organized to ensure that information is accessible.</p> <p>Throughout the draft EA, there are references to various reports in the appendices (more details below), where the reader is directed to as opposed to being provided a sufficient level of detail in the draft EA. Appendices serve to provide additional technical information and data for the interested reviewer or reader and should be referenced in the main body of the EA where they contain critical information to support the understanding of the undertaking and its potential effects on the environment. For example:</p>	<p>Please ensure that the draft EA is revised to provide sufficient, detailed information that will enable readers to understand the proposed undertaking, the planning process followed by the Township and the conclusions reached.</p>	<p>This EASR has been prepared by providing the entire environmental component report content directly within the appropriate sections of the main EASR, such that there are no separate component reports within the Volume 2 Technical Appendices B through H. In this way, the main EASR contains all information and detail related to the studies completed for each component. The exception is Appendix G-2 for Cultural Heritage Resources, where a complete Stage 1 Archaeology Assessment Report was prepared for the proposed landfill expansion since the provincial requirements are they have to be submitted in that form to the MHSTCI for review and approval. The only information contained in the Technical Appendices is technical details that were not considered necessary to be within the main EASR in regard to the proposed landfill expansion, i.e., source input parameters, modelling output sheets, traffic analysis summary sheets.</p>
		<p><u>Noise 5.2.2:</u> This section needs to be expanded with more detail. Provide a summary of existing source of noise at the landfill site and along the haul route. Summarize the key findings from the noise report/study undertaken and conclusions with further detailed technical information referenced to the Appendix report.</p>		<p>Section 5.0 provides a high level description of the existing conditions for the ‘Alternatives To’ Study Area, which is <u>the whole of the Township</u>, for each of the environmental components used to compare the ‘Alternatives To’. As such, it is not specific to the existing landfill site. It is considered that Section 5.2.2 provides an appropriate high level description of noise in the Township. Section 9.0 of the EASR provides a detailed description of the existing conditions for the Study Areas associated with the Boyne Road Landfill site for each of the components, including noise.</p>

North Dundas Waste Management Plan

#	Reference to North Dundas Waste Management Plan draft EASR	Comments & Rationale	Proposed Action/Solution	How Addressed in the EA
		<p><u>6.3.2 Alternative 2 – Landfill Site Expansion:</u> This section refers to the alternative already being assessed in detail as part of the 2015 Waste Management Alternatives Evaluation. Provide a summary of what was assessed and its conclusions from the 2015 Waste Management Alternatives Evaluation.</p>		<p>Section 2.1 of the EASR refers to the 2015 evaluation, lists the four alternatives assessed, and the conclusion that expansion of the existing landfill was preferred. Also, it states that "this previous assessment of waste management alternatives was summarized in Section 4.0 of the approved ToR (Volume 2, Appendix A)". Section 6.0 is the updated evaluation of 'Alternatives To'; in our opinion, the description of Alternative 2 in Section 6.3.2 is not the appropriate place within Volume 1 to provide additional information on what was assessed and the conclusions of the 2015 study, since it was decided by MECP at the ToR stage that the results of the previous evaluation was not suitable for use in the EA (which is also described in Section 2.1). Instead, additional information on the 2015 evaluation has been added in Section 2.1, with a reference back to Section 2.1 added in Section 6.3.2.</p>
		<p><u>6.5 Identification of the Preferred 'Alternative To':</u> The landfill site screening assessment "Volume 3 Appendix I" is referenced as the basis for deeming Alternative 3 (Existing Landfill Site Closure and Establish a New Landfill Site) unreasonable. Include a summary of the screening assessment, and the results of the screening assessment that determined conclusions. The Waste Diversion Study "Volume 3 Appendix J" supports Alternative 5 (Enhanced Waste Diversion). Provide more details on the content provided in Volume 3 Appendix J as well as the final results for the reader.</p>		<p>A summary of the Screening Assessment to establish a new landfill site in the Township is provided in Section 6.3.3; as per the comment, additional information on this assessment has been added to Section 6.3.3. A summary of the waste diversion study is provided in Section 6.3.5. Therefore, it is not considered necessary or appropriate to repeat this information in Section 6.5, the purpose of which is to state what was identified by the comparative assessment provided in Section 6.4 as the preferred 'Alternative To'. A reference back to Sections 6.3.3 and 6.3.5 has been added in Section 6.5.</p>
		<p><u>Archaeological Resources 9.7.1:</u> The Stage 1 Archeological Assessment is referenced to "Volume 2 Appendix G-2". Expand on what was undertaken for the Stage 1 AA as well as the results. Was further work recommended in the Stage 1 AA?</p>		<p>Section 9.1.7 is intended to only describe the existing archeological conditions in the area of the Boyne Road Landfill site. The impact assessment is provided in Section 13.7.1, which states the results including that no further archaeological assessment is recommended. Additional information was added to Section 9.7.1 to describe the purpose of and what was undertaken for the Stage 1 assessment.</p>

North Dundas Waste Management Plan

#	Reference to North Dundas Waste Management Plan draft EASR	Comments & Rationale	Proposed Action/Solution	How Addressed in the EA
		<p><u>12.4 Landfill Gas (LFG) Management:</u> Expand on the results of the air quality impact assessment and provide the Appendix/Volume reference in the EASR. What are the results of the detailed air quality impact assessment, did it recommend a landfill gas collection system?</p>		<p>The purpose of Section 12.4 within the Description of the Preferred Undertaking is only to describe what is proposed in terms of landfill gas (LFG) management/control in advance of completing the impact assessment. The reference to the air quality assessment in Section 13.1.1 is only to indicate that depending on the results of that assessment it may be necessary to implement LFG controls, i.e., an additional mitigation measure, different than what is described in Section 12.4. Section 13.1.1 is considered to be the appropriate location for the air quality assessment, not Section 12.4. There are no additional impact results in a separate Appendix or Volume.</p>
		<p><u>13.1.1.1 Emissions Estimate:</u> "Volume 2 Appendix B-2" is referenced for details of the specific emissions calculation methods and resulting emissions by source. Provide a summary of the process and results. "Volume 2 Appendix B-3" is referenced for dispersion modelling inputs and source characterization. Please expand and provide some details of what is included in the Appendix.</p>		<p>The process for calculating air emissions, which is a very technical process, is considered to be appropriately summarized in Section 13.1.1.1. The results are provided in Sections 13.1.1.2 and 13.1.1.3. The results of the air emissions modelling are provided in Section 13.1.1.4. These section numbers where the results are provided have been added to the bullets in Section 13.1.1 where reference is made to Appendices B-2 and B-3.</p>

North Dundas Waste Management Plan

#	Reference to North Dundas Waste Management Plan draft EASR	Comments & Rationale	Proposed Action/Solution	How Addressed in the EA
11	6.5 Identification of the Preferred 'Alternative To'	<p>Section 4.2.4 of the Code of Practice states that the proponent will have to determine and clearly articulate the rationale for choosing the preferred alternative, taking into account the relative advantages and disadvantages. This section needs to be expanded with more detail how the preferred alternative was selected. The draft EASR states "based on the results presented in Table 6-12, and also with consideration of the advantages and disadvantages presented in Table 6-11 and the key factors that are most important to the Township, the preferred 'Alternative To' from the assessment is Alternative 2 – Landfill Site Expansion".</p> <p>The assessment of the 'Alternatives To' should include sufficient detail to determine the benefits and disadvantages of each of alternative, based on effects. Explain the results from Table 6-12 that lead to the preferred alternative as well as specific points from the advantages and disadvantages Table 6-11. This will more clearly present the decision-making process of the preferred alternative from the advantages and disadvantages evaluation. Furthermore, provide a summary or explanation of how the preferred alternative meets the 'factors that are most important to the Township'.</p>	Please ensure that the draft EA is revised to provide sufficient, detailed information that will enable readers to understand how the evaluative components lead to selecting the preferred alternative.	Section 6.5 has been revised to provide additional rationale and explanation of the reasons for identification of Alternative 2 as the overall preferred 'Alternative To'.
12	8.1 Study Areas	The draft EASR states that "Data for the assessment of the 'Alternative Methods' will be collected and analyzed for generic study areas that will be confirmed and refined during the EA". This needs to be revised to reflect that it has been collected and refined as it is the EA document.	Please make corrections accordingly.	Requested corrections made.
13	10.1 Design of Expansion Alternatives	<p>The draft EASR states "the capacity being pursued for the landfill expansion of 417,700 m³ to accommodate landfilling operations until the end of the planning period in 2048" and then "subsections below describe each of the landfill expansion alternatives, and each provides the required 450,000 m³ of airspace for waste and daily cover". There needs to be consistency in the volumetric capacity expansion (either 417,700 m³ or 450,000 m³) throughout the EASR.</p> <p>Furthermore, there needs to be consistency with the volumetric capacity expansion metric used with regards to whether it includes the cover or not. The proposed volumetric capacity increase with and without cover should be disclosed.</p>	Please ensure that the volumetric capacity expansion is consistent throughout the EASR.	The EASR describes that the 417,700 m ³ beyond 2023 is for waste and daily cover. Because the ToR described the estimated additional airspace with reference to 'beyond 2020', it is necessary to initially refer to the required airspace confirmed in the EA in this regard. However, when referring to the expansion alternatives, all airspace numbers have been changed to only refer to 417,700 m ³ beyond 2023. A value for the additional airspace including the final cover has been added to Section 12.1 for the proposed expansion.

North Dundas Waste Management Plan

#	Reference to North Dundas Waste Management Plan draft EASR	Comments & Rationale	Proposed Action/Solution	How Addressed in the EA
14	<p>Alternative 2 – Combined Horizontal and Vertical Expansion with Larger South Buffer 10.2.2</p> <p>Alternative 3 – Primarily Horizontal Expansion 10.2.3</p>	<p>The qualitative descriptions for Alternative Methods 2 and 3 need to be expanded with more details, similarly to what was provided in Alternative 1 for accuracy and consistency. This will avoid assumptions being made by the reader.</p> <p>Will the current disposal area be raised like in Alternative 1 for Alternatives 2 and 3?</p> <p>Will the slope angles meet the requirements of O.Reg. 232/98 for Alternatives 2 and 3?</p> <p>What is the height above typical ground level?</p> <ul style="list-style-type: none"> • “The height of all ‘Alternative Methods’ is about 15 m above typical ground level on the southern part of the property” – This is defined in Alternative 1. This should either be disclosed prior to the Alternative summaries under 10.2 or disclosed for each of the Alternatives for consistency. <p>Will the design include the construction of imported permeable fill material for Alternatives 2 and 3?</p> <ul style="list-style-type: none"> • Alternative 1 indicates that “south of the existing disposal area is at ground surface/high groundwater table requiring separation”. Is this the same for Alternatives 2 and 3? 	<p>Please ensure that the draft EASR is revised to include more details for Alternative Methods 2 and 3.</p>	<p>Section 10.0 was prepared by first describing the factors that would be considered in the design of any ‘Alternative Method’ of landfill expansion in Sections 10.0 and 10.1, i.e., meet the geometrical requirements of O.Reg.232/98, natural attenuation design, fill pad, stormwater management system. Sections 10.2.1, 10.2.2 and 10.2.3 were then intended to provide a brief overview of the main differences between ‘Alternative Methods’, illustrated by the plan and section views and summarized in Table 10-1 in Section 10.2.4. As requested, additional information has been added to Alternatives 2 and 3 such that all three now have a similar level of information provided and cover the comments/questions provided.</p>
15	<p>Summary of Alternative Methods 10.2.4</p>	<p>The summary and comparison table of the alternative methods in the EASR uses mainly a quantitative depiction. Provide simplified visuals of the alternative methods for easier comparison for the reader.</p>	<p>Use the graphics included in the Technical Bulletin #3 for the same comparative table for visual understanding for the reader.</p>	<p>The graphics from Technical Bulletin #3 have been added to Section 10.2.4, Table 10-1 for added reader understanding.</p>

North Dundas Waste Management Plan

#	Reference to North Dundas Waste Management Plan draft EASR	Comments & Rationale	Proposed Action/Solution	How Addressed in the EA
16	<p>Comparison and Evaluation of Landfill Expansion Alternatives 11.0</p>	<p>Do Nothing: Section 4.2.2 of the EA Codes of Practice states that the do nothing alternative should always be considered as it represents what is expected to happen if none of the alternatives being considered are carried out. It is always included for comparison and therefore cannot be screened out. The do nothing alternative has to be carried throughout the EA as a benchmark for the comparison of the advantages and disadvantages of the preferred undertaking and to determine the extent to which other alternatives address the problem or opportunity. The do nothing alternative is considered in the 'alternatives to' comparative assessments. However, the EASR must assess the advantages and disadvantages of each 'alternative method' using the do nothing alternative as the reference benchmark or baseline. Sufficient Level of Detail: The assessment of the 'Alternative Methods' should include sufficient detail to determine the benefits and disadvantages of each alternative, based on effects. The EASR would benefit with more details provided in the advantages and disadvantages sections for each indicator/component as well as comparing to the 'do nothing' scenario. Some advantages and disadvantages sections provide only a table, and no summary explanation following it (example Table 11-7). Some components do not have an advantages and disadvantages comparison and require further explanation beyond that the results yielded similar results for all alternative methods. The EASR needs to explain why each alternative method yielded similar results to affirm that an advantages and disadvantages comparison is not required.</p>	<p>The EASR needs to be revised to consider the do nothing alternative as a benchmark for the comparison of the advantages and disadvantages of the alternative methods. The revised draft EA also needs to include a description of the do nothing alternative for each alternative method.</p>	<p>The EASR has been revised to consider the Do-Nothing alternative as a benchmark for the comparison of the advantages and disadvantages of the 'Alternative Methods'. An introduction of the Do-Nothing alternative has been added to Section 10.2.4 and then it has been used for comparison throughout Section 11. It is noted that the proposed expansion of the Boyne Road Landfill is a relatively small expansion as compared to other similar projects in the province. Additionally, there are constraints related to the possible design/layout of landfill expansion 'Alternative Methods' for this undertaking. As a result, the potential effects from the 'Alternative Methods' of landfill expansion are considered to be similar by many of the environmental components, resulting in an inability of these components to describe unique advantages or disadvantages when compared to each other. Relevant sections of Section 11 have been updated to explain this. As such it is unreasonable to expect that each description of advantages and disadvantages to be similar in length and/or content for each environmental component/sub-component.</p>
17	<p>Potential Indirect Impacts 13.4.1.2.2</p>	<p>The draft EASR states that "these indirect impacts are not considered significant and are mitigatable with standard construction best management practices". Where mitigation measures are mentioned, the measures should be identified. Although potential indirect impacts of the construction phase are considered not significant and mitigatable, the potential mitigation measures related to 'best management practices' should be disclosed for each construction related impact listed.</p>	<p>Please include what the best management practices are with regards to mitigation in the final EASR.</p>	<p>Construction best management practices added to Section 13.4.1.2.2 as requested.</p>

North Dundas Waste Management Plan

#	Reference to North Dundas Waste Management Plan draft EASR	Comments & Rationale	Proposed Action/Solution	How Addressed in the EA
18	Comparison to Do-Nothing 13.11	The purpose of comparing the preferred undertaking/project to the do nothing alternative is to highlight the advantages and disadvantages of proceeding with the project, rather than to confirm a preferred alternative. Table 13-32: Comparison of Do-Nothing to the Preferred Undertaking, does not clearly identify the advantages/disadvantages (trade-offs) for carrying out the proposed expansion.	Identify the advantages and disadvantages of expanding the Boyne Road Landfill by comparing the preferred undertaking to the do-nothing scenario which would be to closure of landfill when it reaches its approved capacity	Table 13-32 provided in Section 13.11 has been updated with additional details. It is noted that the comparison provided in Section 13.11 does not "confirm" the preferred alternative, it merely highlights the advantages and disadvantages of proceeding with the project.

APPENDIX K

Comments Received on the Draft EA

Appendix K1 Draft EA Notices and Advertisements

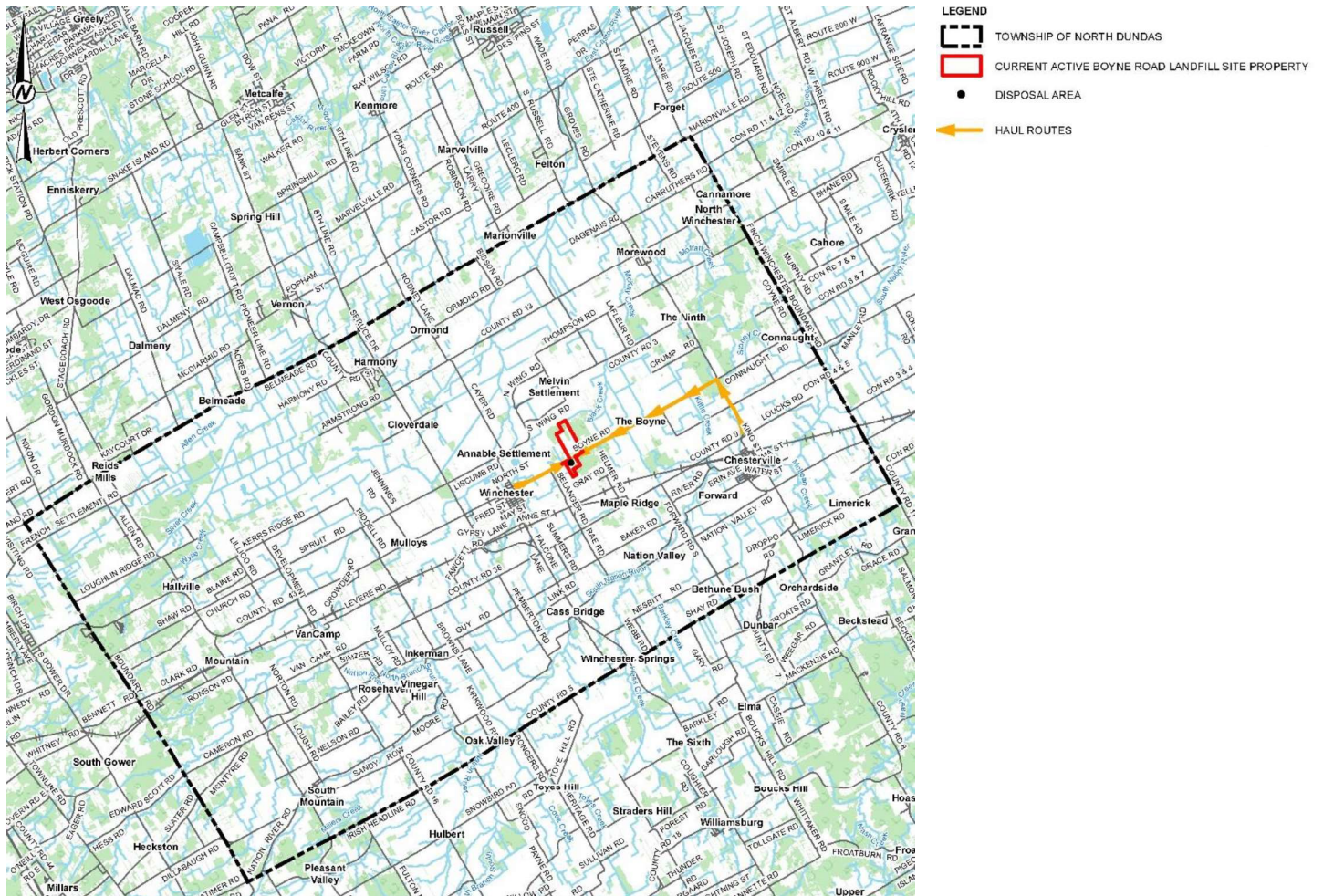
Appendix K2 Comments on the Draft EA from the Public, GRT and MECP

Appendix K1 Draft EA Notices and Advertisements

Environmental Assessment of the Township of North Dundas Waste Management Plan Notice of Draft Environmental Assessment Study Report

The Township of North Dundas (Township) has completed a draft Environmental Assessment (EA) of the Township of North Dundas Waste Management Plan.

The EA Study evaluated long-term solid waste management options for a 25-year planning period. The Township is seeking to accommodate disposal of waste corresponding to the consumption of approximately 417,700 m³ of waste landfill disposal from 2023 to 2048, as its existing Boyne Road Landfill is currently at capacity. The EA Study evaluated long-term solid waste management options to achieve this objective and has identified increased diversion and expansion of the existing Boyne Road Landfill as the preferred alternative.



As a requirement of commitment 15 in the approved Terms of References the draft EA Study Report will be available for public review and comment from May 27, 2022 to June 24, 2022 for a four-week review period. You may review the environmental assessment during normal business hours at the following locations:

Winchester Public Library
547 St. Lawrence Street
Winchester, ON
613-774-2612

Hours of operations
Monday 9:00am – 2:00pm
Tuesday 10:00am – 8:00pm
Wednesday 10:00am – 8:00pm
Thursday 10:00am – 8:00pm
Friday 12:00pm – 5:00pm
Saturday 10:00am – 2:00pm

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

Hours of operations
Monday to Friday
8:30am to 4:30pm

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

Hours of operations
Monday to Friday
8:30am to 4:00pm

**Ministry of the Environment,
Conservation and Parks**
Environmental Assessment and
Permissions Branch
135 St. Clair Avenue West, 1st Floor Toronto,
ON
416-314-8001/1-800-461-6290

Hours of operations
Monday to Friday 8:30am – 5:00pm

**Ministry of the Environment,
Conservation and Parks**
Cornwall Area Office
1st Flr, 113 Amelia St. Cornwall, ON
613-933-7402/1-800-860-2760

By appointment only

An electronic copy of the draft EA Study Report will also be available for review on the project website at <https://www.northdundas.com/municipal-services/environmental-assessments>

Following the above review period, the draft EA Study Report will be updated to address comments received and will be submitted to the Ontario Ministry of the Environment, Conservation and Parks (MECP) as part of the formal review process.

Interested persons are encouraged to review the draft EA Study Report and provide comments by June 24, 2022. Comments may be submitted by mail or e-mail to the individuals listed 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 ext. 3246
E-mail: trish_edmond@golder.com

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

Veillez 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 MECP for the purpose of transparency and consultation. The information is collected under the authority of the *Environmental Assessment Act* or is collected and maintained for the purpose of creating a record that is available to the general public as described in 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 MECP's Freedom of Information and Privacy Coordinator at 416-327-1434.

From: [Golder Secure Message Center](#) on behalf of [Yannick Marcerou](#)
Cc: [Marcerou, Yannick](#)
Subject: Draft Environmental Assessment for the Township of North Dundas Waste Management Plan
Date: May 26, 2022 5:24:47 PM



Tracking ID: 20220526-142115-y7Les8Eb

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Phone 6135929600
Email yannick_marcerou@golder.com

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Reply

with Cryptshare

Password: No password required.

Hello,

The Township of North Dundas (Township) has completed a draft Environmental Assessment (EA) of the Township of North Dundas Waste Management Plan. The Township is seeking input on the draft EA. Please see the notification letter in the link provided outlining further information on the EA, the draft EA and how to submit comments on the draft EA. An electronic copy of the draft EA is also provided on the project website at <https://www.northdundas.com/municipal-services/environmental-assessments> and consists of all volumes (Volumes 1 to 4).

As a requirement of commitment 15 in the approved Terms of References, the draft EA Study Report will be available for public review and comment from May 27, 2022 to June 24, 2022 for a four-week review period.

Following the above review period, the draft EA Study Report will be updated to address comments received and will be submitted to the Ontario Ministry of the Environment, Conservation and Parks (MECP) as part of the formal review process.

Should you require a hard copy (or an electronic copy in a USB drive) of the draft EA Study Report, please email or call us and we will be happy to prepare it for you. 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 on June 25, 2022.

Please let us know if you have any issues accessing the notice letter or the draft EA Report from the link provided.

Sincerely,

Yannick Marcerou

Attachments in Link: Click on the link in the upper right corner of this email labelled "Download Files" to access the Notification Letter and the draft EA Study Report (Volumes 1, 2, 3 and 4).

Yannick Marcerou, *he/him*

Environmental/Waste Engineer, M.Eng., P.Eng.

T+ 1 613-592-9600 #3318



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

wsp.com | golder.com

WSP and Golder have joined together to form the premier environmental consultancy in the industry. Together we are 14,000 strong, future ready and delivering innovative solutions to our clients around the globe.

Transfer Details

CC:

dfroats@northdundas.com

trish_edmond@golder.com

jordan.hughes@ontario.ca

robert_mcdonald@golder.com

yannick_marcerou@golder.com

Download Link: <https://smc.golder.com/download?id=Ttv0djtDq1&password=FA8GUzVW>

Files in this Transfer

1648253 Boyne_EA-DRAFT-Volume 4.pdf

NOTICE~1.PDF

1648253 Boyne_EA-DRAFT-2022-05-17.pdf

1648253 Boyne_EA-DRAFT-Volume 2.pdf

1648253 Boyne_EA-DRAFT-Volume 3.pdf

For further information please follow this link: [Cryptshare Documentation](#)

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Densham announces candidacy for NS deputy mayor

Carolyn Thompson Goddard
Record Staff

BERWICK – Long time resident and municipal councillor of North Stormont announced on Mon., May 2 that he was seeking to be the next deputy mayor of the municipality.

Densham commented when announcing his candidacy how he wished to build on the positive momentum created over the last term of council and carry it forward. He noted it had been a challenging term, with the Wind Turbines, the pandemic and other council issues, but he has learned a lot and intends to build on the knowledge gained to encourage growth in NS.

He took a few moments to thank Craig Calder for “building a strong staff” during this challenging time and mentioned the GFL agreement will be key “to opening new potential opportunities in NS to feed economic development.” He noted small businesses struggled with restrictions during the pandemic and need economic support during the recovery period.

Densham mentioned he



Steven Densham announced his candidacy for deputy mayor of North Stormont on Mon., May 2.

Thompson Goddard Photo

went out and spoke with local business owners, learning firsthand what was needed for them to not only survive but thrive during these difficult economic times. Including organizing Wellness Tours which involved MP Eric Duncan, MPP Jim McDonell and Densham reaching out to local businesses during the pandemic as well as the creation of a NS Shop Local Facebook page. On the economic development front, he mentioned his successful advocacy to allocate a budget for the salary of an economic development officer.

He praised that the amalgamation of municipal recreation groups into an Amalgamated Recreation Committee under the leadership of Ellen McNaughton and Pierre Thibault. He feels the unification of the various committees has led to a better coordination of events, development of best practices and collaboration on budgeting.

Densham concluded how it is necessary for rural municipal governments to be proactive to ensure the continued survival of rural communities. He mentioned he enjoyed his term as councillor as it allowed him the chance to contribute to his community more substantially. He continued, in his role as councillor he was able to encourage people and committee members to work together for the benefit of the North Stormont community.

Densham currently serves on five community committees and boards including his most recent appointment to the Winchester District Memorial Hospital board.



And they're off on the Nation River

The St. Daniel Knights of Columbus 11725 celebrated their 25th year running their annual Duck Race on the Nation River. This year the race featured 800 ducks and four winners. Claire Larabie came in 1st, followed by Brenda Dillabough, Dave van Delst and Randy Rose in 4th. The winners received \$500, \$150, \$100 and a Country Kitchen gift certificate for \$50 respectively. In this photo, the ducks take the plunge off the Bridge in South Mountain on Sat., May 7. The funds raised through the race go to the House of Lazarus, the Winchester District Memorial Hospital, Dundas County Hospice, Community Food Share and Naomi House.

Morin Photo

François Landry announces candidacy for NS mayor

Carolyn Thompson Goddard
Record Staff

BERWICK – François Landry, currently deputy mayor of North Stormont, filed his nomination papers for the position of NS mayor on Mon., May 2. A life-long resident of North Stormont, Landry has served a term as a municipal councillor and is currently completing a four-year term as deputy mayor.

“My priority is to oversee the ongoing growth and development of North Stormont during the next four years,” commented François. “Even though the municipality faced some challenges during this term, such as the construction of the EDPR Nation Rise Wind Farm and the COVID-19 pandemic, I feel positive about the continuous progress in our communities now and into the future.”

François congratulated township staff for their work over the past term. He mentioned there has been remarkable progress in many areas, including the fire and recreation departments as well as returning our garbage collection in-house. He noted how construction of the new fire hall in Crysler as well as the Moose Creek Community Centre will begin soon and is confident that investing in new infrastructure is vital to economic growth. François also stated that



François Landry is seen providing North Stormont deputy clerk Mary McCuaig with his nomination papers for the position of North Stormont mayor.

Thompson Goddard Photo

staff played an important role in the negotiations leading to the 20-year agreements with GFL Environmental and the EDPR Community Fund.

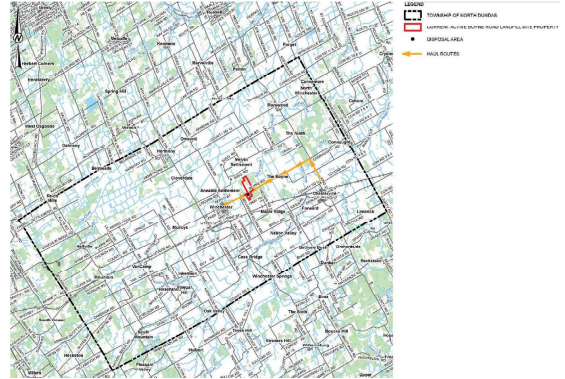
He expressed his appreciation for the volunteer base in North Stormont recognizing their valued contribution and engagement. “This municipality has so much to offer to residents and visitors, which makes it a great place to live” added François.



Environmental Assessment of the Township of North Dundas Waste Management Plan Notice of Draft Environmental Assessment Study Report

The Township of North Dundas (Township) has completed a draft Environmental Assessment (EA) of the Township of North Dundas Waste Management Plan.

The EA Study evaluated long-term solid waste management options for a 25-year planning period. The Township is seeking to accommodate disposal of waste corresponding to the consumption of approximately 417,700 m³ of waste landfill disposal from 2023 to 2048, as its existing Boyne Road Landfill is currently at capacity. The EA Study evaluated long-term solid waste management options to achieve this objective and has identified increased diversion and expansion of the existing Boyne Road Landfill as the preferred alternative.



As a requirement of commitment 15 in the approved Terms of References, the draft EA Study Report will be available for public review and comment from May 27, 2022 to June 24, 2022 for a four-week review period. You may review the environmental assessment during normal business hours at the following locations:

<p>Winchester Public Library 547 St. Lawrence Street Winchester, ON 613-774-2612</p> <p>Hours of operations Monday 9 a.m. - 2 p.m. Tuesday 10 a.m. - 8 p.m. Wednesday 10 a.m. - 8 p.m. Thursday 10 a.m. - 8 p.m. Friday 12 p.m. - 5 p.m. Saturday 10 a.m. - 2 p.m.</p>	<p>Township Office 636 St. Lawrence Street Winchester, ON 613-774-2105</p> <p>Hours of operations Monday to Friday 8:30 a.m. - 4:30 p.m.</p>	<p>Counties of Stormont, Dundas and Glengarry Office 26 Pitt Street Cornwall, ON 613-932-1515</p> <p>Hours of operations Monday to Friday 8:30 a.m. - 4 p.m.</p>
<p>Ministry of the Environment, Conservation and Parks Environmental Assessment and Permissions Branch 135 St. Clair Avenue West, 1st Floor Toronto, ON 416-314-8001/1-800-461-6290</p> <p>Hours of operations Monday to Friday 8:30 a.m. - 5 p.m.</p>	<p>Ministry of the Environment, Conservation and Parks Cornwall Area Office 1st Flr, 113 Amelia St. Cornwall, ON 613-933-7402/1-800-860-2760</p> <p>By appointment only</p>	

An electronic copy of the draft EA Study Report will also be available for review on the project website at <https://www.northdundas.com/municipal-services/environmental-assessments>

Following the above review period, the draft EA Study Report will be updated to address comments received and will be submitted to the Ontario Ministry of the Environment, Conservation and Parks (MECP) as part of the formal review process.

Interested persons are encouraged to review the draft EA Study Report and provide comments by June 24, 2022. Comments may be submitted by mail or e-mail to the individuals listed below.

<p>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</p>	<p>Trish Edmond, P.Eng. EA Project Manager Golder Associates Ltd. 1931 Robertson Road Ottawa, ON K2H 5B7 Telephone: 613-592-9600 ext. 3246 E-mail: trish_edmond@golder.com</p>
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If you require any accommodations for a disability to review the draft EA Study Report, contact Doug Froats at 613-774-2105 ext. 228 to make the appropriate arrangements.

Veillez noter qu'il vous est possible de nous communiquer vos commentaires ou vos questions sur le projet en français en les adressant à Yannick Marcereau au 613-592-9600 ext. 3318 ou par courriel à yannick_marcereou@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 MECP for the purpose of transparency and consultation. The information is collected under the authority of the *Environmental Assessment Act* or is collected and maintained for the purpose of creating a record that is available to the general public as described in 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 MECP's Freedom of Information and Privacy Coordinator at 416-327-1434.



Common Sense Health

W. Gifford-Jones, MD and Diana Gifford-Jones

Flashy marketing deceives new mothers

The global formula milk industry is huge and growing rapidly, at about US\$55 billion and projected to reach US\$110B by 2026. Aggressive and deceptive marketing by manufacturers is driving this growth. The World Health Organization (WHO) is ringing alarms. It charges the industry with using new digital marketing tactics to target pregnant women and new mothers with "personalized social media content that is often not recognizable as advertising."

The Internet and smart phones are wonderful tools. But they can also be dangerous. Women have breastfed babies since the beginning of time. Animals thrive without Big Pharma. Human babies do too.

The WHO says the digital onslaught by industry reaches 2.47 billion people. The attention is to plant concerns in the minds of new mothers that their natural breastmilk is insufficient. They set out to convince new mothers that they're nutritionally uneducated and irresponsible if they choose traditional breast milk.

Dr. Francesco Branca, Director of the WHO Nutrition and Food Safety Department, goes on the offence. He says, "The promotion of commercial milk formulas should have been terminated decades ago." He adds, "That formula milk companies are now employing even more powerful and insidious marketing techniques to drive up their sales is inexcusable and must be stopped."

What are the natural benefits that breast milk has always given babies? For one, mother's milk transfers antibodies to build immunity against infection.

Anese Walker, Professor of Biomedical Science at UC Riverside School of Medicine, explains that copies of these cells will provide immunity to the baby for life. Breastfeeding protects mothers as well by reducing risk of breast and ovarian cancer, type 2 diabetes, and high blood pressure.

Apart from conveying immunity, scientific research shows that breastmilk offers increased long-term protection from a host of diseases. Breast-fed babies have less chance of developing ear, respiratory, and urinary infections. They are more resistant against bacterial meningitis, a serious condition that can lead to death. Breastfeeding decreases the risk of obesity, type 1 and type 2 diabetes, Crohn's disease, ulcerative colitis, high blood pressure and heart disease.

While antibodies in breastmilk adjust to a growing baby's evolving needs, manufactured formula is unchanging and has no antibodies. Instead, manufacturers add ingredients designed to foster good gut bacteria. This may help protect babies from illness, but not to the same degree.

It has also been found that vitamins and minerals added to manufactured milk cause increased gas in babies and more constipation. Bottle feeding affects mother-child bonding. And formula fed babies have an increased risk of sudden infant death syndrome.

Expectant mothers have reasons for confidence, not trepidation, in their abilities to breastfeed babies. At best, it should be deemed unethical to market misleading information about baby formula. At worst, given the lifelong health consequences at stake and the duty to care for society's youngest and most vulnerable members, such marketing should be criminal.

There are, of course, circumstances in which formula is the right choice. These mothers should be supported, not shamed. It's an obvious fact that many babies raised on formula have fared just fine. There are geniuses, concert pianists, gold-medal athletes, doctors, lawyers and every other professional among them.

But the economics of the formula milk industry is the problem. This industry should not be allowed to profit at the expense of parental confidence and children's health – yet profit is precisely the boardroom mandate of these companies. Looked at another way, the total cost of formula feeding is estimated to be US\$900-\$3,000 per year. Those funds would be better spent other ways.

It's the WHO's boring reports versus deceptive digital marketing. Not a good match up.

Sign-up at www.docgiff.com to receive our weekly e-newsletter. For comments, contact-us@docgiff.com. Follow us on Instagram @docgiff and @diana_gifford_jones.

May 12 2022



Environmental Assessment of the Township of North Dundas Waste Management Plan

Notice of Draft Environmental Assessment Study Report

The Township of North Dundas (Township) has completed a draft Environmental Assessment (EA) of the Township of North Dundas Waste Management Plan.

The EA Study evaluated long-term solid waste management options for a 25-year planning period. The Township is seeking to accommodate disposal of waste corresponding to the consumption of approximately 417,700 m³ of waste (net of disposal) from 2023 to 2048, as its existing Boyle Road Landfill is currently at capacity. The EA Study evaluated long-term solid waste management options to achieve this objective and has identified increased diversion and evaluation of the existing Boyle Road Landfill as the preferred alternative.

As a requirement of commitment 15 in the approved Terms of Reference the draft EA Study Report will be available for public review and comment from May 27, 2022 to June 24, 2022 for a four-week review period. You may review the environmental assessment during normal business hours at the following locations:

Winchester Public Library
547 St. Lawrence Street
Winchester, ON
613-774-2612

Hours of operations
Monday: 9:00am – 2:00pm
Tuesday: 10:00am – 2:00pm
Wednesday: 10:00am – 2:00pm
Thursday: 10:00am – 2:00pm
Friday: 12:00pm – 5:00pm
Saturday: 10:00am – 2:00pm

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

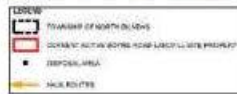
Hours of operations
Monday to Friday: 9:30am to 4:30pm

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

Hours of operations
Monday to Friday: 9:30am to 4:00pm

Ministry of the Environment, Conservation and Parks
Environmental Assessment and Remediation Branch
135 St. Clair Avenue West, 1st Floor
Toronto, ON
416-314-4001/1-800-461-6280

Hours of operations
Monday to Friday: 9:30am – 5:00pm



Ministry of the Environment, Conservation and Parks
Cornwall Area Office
1st Fl., 113 Amelia St. Cornwall, ON
613-933-7402/1-800-960-2760

By appointment only

An electronic copy of the draft EA Study Report will also be available for review on the project website at <https://www.northdundas.com/municipal-services/environmental-assessments>

Following the above review period, the draft EA Study Report will be updated to address comments received and will be submitted to the Ontario Ministry of the Environment, Conservation and Parks (MECP) as part of the formal review process. Interested persons are encouraged to review the draft EA Study Report and provide comments by June 24, 2022. Comments may be submitted by mail or email to the individuals listed below:

Doug Froese
Director of Waste Management
Township of North Dundas
636 St. Lawrence Street, P.O. Box 488
Winchester, ON K0C 2K0
Telephone: 613-774-2105 ext. 228
Fax: 613-774-6599
E-mail: dfroese@northdundas.com

Trish Edmond, P.Eng.
EA Project Manager
Golder Associates Ltd.
1831 Robertson Road
Oshawa, ON M2H 5B7
Telephone: 613-692-9600 ext. 3246
E-mail: trish_edmond@golder.com

If you require any accommodations for a disability to review the draft EA Study Report, contact Doug Froese at 613-774-2105 ext. 228 to make the appropriate arrangements.

Veillez noter qu'il vous est possible de nous communiquer vos commentaires ou vos questions sur le projet en français en français en adressant à Yannick Marceou au 613-692-9600 ext. 3318 ou par courriel à yannick_marceou@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 MECP for the purpose of transparency and consultation. The information is collected under the authority of the Environmental Assessment Act or is collected and maintained for the purpose of creating a record that is available to the general public as described in 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 MECP's Freedom of Information and Privacy Coordinator at 416-327-4434.

Send in your letters, stories, events to
editor@ndtimes.ca



North Dundas

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The Township of North Dundas has completed a draft Environmental Assessment of its Waste Management Plan and is seeking input from the public.

The draft EA report is available for public review and comment from May 27th to June 24th at the Township office, the SDG Library Winchester Branch, the SDG Counties office, and the Ontario Ministry of the Environment, Conservation and Parks (MECP) office in Cornwall.

You can also view it online at <https://www.northdundas.com/mun.../environmental-assessments>



Appendix K2 Comments on the Draft EA from the Public, GRT and MECP

From: [REDACTED]
To: [Marcerou, Yannick](#)
Cc: [Doug Froats](#); [Edmond, Trish](#)
Subject: Re: Draft Environmental Assessment for the Township of North Dundas Waste Management Plan
Date: June 8, 2022 9:12:02 PM
Attachments: [image002.jpg](#)
[image002.jpg](#)

EXTERNAL EMAIL

EXTERNAL EMAIL - We could not verify the authenticity of this message. Please be cautious when clicking on links or opening attachments.

Hi,

Thank you for letting me know. I will pick it up tomorrow.

Regards,
[REDACTED]

On Wed., Jun. 8, 2022, 4:28 p.m. Marcerou, Yannick, <Yannick_Marcerou@golder.com> wrote:

Hello,

We wanted to let you know that your copy of the draft EA is available to pick up at the Township's office reception. They are open to the public Monday to Friday from 8:30am to 4:30pm.

Please do not hesitate to contact us if you have any questions or feedback to share on this draft EA.

Have a good evening!

Sincerely,

Yannick Marcerou, *he/him*

Environmental/Waste Engineer, M.Eng., P.Eng.

T+ 1 613-592-9600 #3318



From: [REDACTED]
Sent: June 2, 2022 2:33 PM
To: Marcerou, Yannick <yannick_marcerou@wsp.com>
Cc: Doug Froats <dfroats@northdundas.com>; Edmond, Trish <trish.edmond@wsp.com>
Subject: Re: Draft Environmental Assessment for the Township of North Dundas Waste Management Plan

EXTERNAL EMAIL

EXTERNAL EMAIL - We could not verify the authenticity of this message. Please be cautious when clicking on links or opening attachments.

Hi,

Thank you very much for the update.

I look forward to receiving the EA documents next week.

Regards,

[REDACTED]

On Thu., Jun. 2, 2022, 1:57 p.m. Marcerou, Yannick, <Yannick_Marcerou@golder.com> wrote:

[REDACTED],

We wanted to inform you that due to some confusion from our print shop, we do not expect to have all 4 volumes ready before early next week.

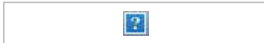
Please accept our apologies for the delay. We will contact you when the copies will be ready to be picked up at the Township's office.

Have a good day!

Yannick Marcerou, *he/him*

Environmental/Waste Engineer, M.Eng., P.Eng.

T+ 1 613-592-9600 #3318



From: [REDACTED]
Sent: May 27, 2022 5:56 PM
To: Marcerou, Yannick <yannick.marcerou@wsp.com>
Cc: Doug Froats <dfroats@northdundas.com>; Edmond, Trish <trish.edmond@wsp.com>; Smolkin, Paul <paul.smolkin@wsp.com>
Subject: Re: Draft Environmental Assessment for the Township of North Dundas Waste Management Plan

EXTERNAL EMAIL

EXTERNAL EMAIL - We could not verify the authenticity of this message. Please be cautious when clicking on links or opening attachments.

Hi,

Thank you for getting back to me.

Yes, I would like to have a hard copy, as it would be impossible to review a 1,300 page document at the township office or

at the Winchester library.

I can come to pick it up at the Township office, once it's ready, to save on postage. My home number is [REDACTED], if someone can call me when it's ready.

I have seen the post today, on the Township of North Dundas Facebook page. Thank you for arranging this.

Best Regards,

[REDACTED]

On Fri., May 27, 2022, 3:20 p m. Marcerou, Yannick, <Yannick_Marcerou@golder.com> wrote:

Hello,

This is to confirm that we have received your request for a hardcopy of the draft EA. We limited the number of hardcopies circulated as part of our efforts to reduce our carbon footprint, but copies are available for review at public viewing locations: the Township office, the SD&G Library Winchester Branch, the SD&G Counties office, and the Ontario Ministry of the Environment, Conservation and Parks (MECP) office in Cornwall. If you still require your own copy for your review, we will have a copy prepared early next week and we will mail it to you as soon as we can. Please let us know what address we should send it to.

The Township advertised the upcoming circulation of the draft EA in the Chesterville Record on May 12, 2022 and in the North Dundas Times on May 18, 2022. A post on the Township's social media will be published soon.

Thank you for your email and we are looking forward to receiving your comments and feedback.

Have a good afternoon and a good weekend!

Sincerely,

Yannick Marcerou, *he/him*

Environmental/Waste Engineer, M.Eng., P.Eng.

T+ 1 613-592-9600 #3318

From: [REDACTED]

Sent: May 27, 2022 12:24 PM

To: Marcerou, Yannick <yannick.marcerou@wsp.com>; Doug Froats <dfroats@northdundas.com>

Subject: Re: Draft Environmental Assessment for the Township of North Dundas Waste Management Plan

EXTERNAL EMAIL

EXTERNAL EMAIL - We could not verify the authenticity of this message. Please be cautious when clicking on links or opening attachments.

Hello,

Yes, I would like a printed copy please, even though I have downloaded all the files. Since this is a huge document (over 1,300 pages), I really can't print that very efficiently on my home printer.

Also, will this notice be shared to the Township's social media?

Thank you,

[REDACTED]

On Thu, May 26, 2022 at 5:11 PM Yannick Marcerou <yannick_marcerou@golder.com> wrote:



Tracking ID 20220526-140742-gywBmXTL

By clicking the links you agree to the [Terms of Use](#).

Sender Name **Yannick Marcerou**
Phone [6135929600](tel:6135929600)
Email yannick_marcerou@golder.com

Download Files

Available until 25 Jun 2022

Reply

with Cryptshare

Password: No password required.

Hello,

The Township of North Dundas (Township) has completed a draft Environmental Assessment (EA) of the Township of North Dundas Waste Management Plan. The Township is seeking input on the draft EA. Please see the notification letter in the link provided outlining further information on the EA, the draft EA and how to submit comments on the draft EA. An electronic copy of the draft EA is also provided on the project website at <https://www.northdundas.com/municipal-services/environmental-assessments> and consists of all volumes (Volumes 1 to 4).

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Should you require a hard copy (or an electronic copy in a USB drive) of the draft EA Study Report, please email or call us and we will be happy to prepare it for you. 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 on June 25, 2022.

Please let us know if you have any issues accessing the notice letter or the draft EA Report from the link provided.

Sincerely,

Yannick Marcerou

Attachments in Link: Click on the link in the upper right corner of this email labelled "Download Files" to access the Notification Letter and the draft EA Study Report (Volumes 1, 2, 3 and 4).

Yannick Marcerou, *he/him*

Environmental/Waste Engineer, M.Eng., P.Eng.

T+ 1 613-592-9600 #3318

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

wsp.com | golder.com

WSP and Golder have joined together to form the premier environmental consultancy in the industry. Together we are 14,000 strong, future ready and delivering innovative solutions to our clients around the globe.

Transfer Details

CC:

yannick_marcerou@golder.com

dfroats@northdundas.com

trish_edmond@golder.com

jordan_hughes@ontario.ca

robert_mcdonald@golder.com

Download Link: <https://smc.golder.com/download?id=loriNqI3Ss&password=tc2%3DHfr%40>

Files in this Transfer

1648253 Boyne_EA-DRAFT-Volume 2.pdf

NOTICE-1.PDF

1648253 Boyne_EA-DRAFT-2022-05-17.pdf

1648253 Boyne_EA-DRAFT-Volume 4.pdf

1648253 Boyne_EA-DRAFT-Volume 3.pdf

For further information please follow this link: [Cryptshare Documentation](#)

This message has been generated automatically.

From: [REDACTED]
To: [Marcerou, Yannick](#)
Cc: [Doug Froats](#); [Edmond, Trish](#)
Subject: Re: Draft Environmental Assessment for the Township of North Dundas Waste Management Plan
Date: June 24, 2022 5:13:15 PM

EXTERNAL EMAIL

EXTERNAL EMAIL - We could not verify the authenticity of this message. Please be cautious when clicking on links or opening attachments.

Hi,

While I have not read the entire document, I do have some questions and comments:

1. Regarding the 25 year planning period, I realize that this is a requirement of the province. However, it seems short sighted (in my opinion) to do that. Will the new landfill, as proposed by this EASR, really be full 25 years after it opens? I wonder if it would not be prudent to invest a bit more in the size of the new landfill to provide more capacity for later on. After all, the current landfill is already 57 years old. Also, if the new landfill is full after 25 years, what options will the township have at that point? Is there already land available near the current landfill / new landfill for another landfill in 25 or 30 years? i.e. do we only have one opportunity here to build a new landfill, and 25+ years later we're in big trouble? Also, the city of Ottawa is starting their process for a new landfill, and they are aiming for a landfill that will last 30 years. Shouldn't we do at least the same?
2. What happens to the old (current) landfill after the new landfill becomes operational? Does something need to be done to it? If so, what needs to be done and what are the costs?
3. Regarding the cost estimates (page E29), These are in 2021 dollars. Shouldn't they now be converted to be in 2022 dollars?
4. Regarding the phasing of the capital costs, what are the approximate timelines? i.e. Year 1 - do xxxx, Year 2 - do yyyy, Year 3 - do zzzz, etc. And how are each of the 3 groupings of capital costs phased? I believe that it was mentioned at the open house in April 2022 that it will take about 1 year for the province to approve this EASR. So, approximately when will the new landfill become operational? 2025? 2026?
5. Again, regarding costs, on page E29, it says "These cost components are not expected to adversely impact municipal finances." Is this still true, given the current economic pressures and rate of inflation in Canada?
6. In section 1.2, page 1-2, it gives the population of North Dundas as "2016 population of 11, 278". I realize that the 2021 census information is not yet available from Statistics Canada, but when it is, can this please be updated accordingly? This is especially important given the events of the last two years, with more and more people moving outside of Ottawa to rural areas, related to the pandemic and the ability for more people to work from home. The demands on water and sewage services within North Dundas Township due to high increased demand for new homes likely would also reflect an increase in demand for waste management services, would it not?.
7. In Section 1.3.2, it says "The Boyne Road Landfill is located ... which is approximately mid-way between the two main population centres within the Township - the villages of Winchester and Chesterville."
The town of Winchester is 2 km from the landfill, whereas the town of Chesterville is 8 km (as the crow flies) from the landfill or 10 km (via Boyne Road and County Road 7) from the landfill. So, the landfill is not approximately mid-way between the two main population centres.
8. Somewhat outside of the scope of this is the whole recycling program in North Dundas Township. Is there any real data that shows the percentage of residents that recycle and/or compost their kitchen/garden waste? How do we know if we are doing enough recycling to divert waste from the landfill?

Thank you very much for the opportunity to comment on the EASR.
I look forward to future updates, as they become available.

Regards,
[REDACTED]

On Wed, Jun 8, 2022 at 9:11 PM [REDACTED] wrote:

Hi,

Thank you for letting me know. I will pick it up tomorrow.

Regards,
[REDACTED]

On Wed., Jun. 8, 2022, 4:28 p m. Marcerou, Yannick, <Yannick_Marcerou@golder.com> wrote:

Hello,

We wanted to let you know that your copy of the draft EA is available to pick up at the Township's office reception. They are open to the public Monday to Friday from 8:30am to 4:30pm.

Please do not hesitate to contact us if you have any questions or feedback to share on this draft EA.

Have a good evening!

Sincerely,

Yannick Marcerou, *he/him*

Environmental/Waste Engineer, M.Eng., P.Eng.

T+ 1 613-592-9600 #3318



From: [REDACTED]
Sent: June 2, 2022 2:33 PM
To: Marcerou, Yannick <yannick.marcerou@wsp.com>
Cc: Doug Froats <dfroats@northdundas.com>; Edmond, Trish <trish.edmond@wsp.com>
Subject: Re: Draft Environmental Assessment for the Township of North Dundas Waste Management Plan

EXTERNAL EMAIL

EXTERNAL EMAIL - We could not verify the authenticity of this message. Please be cautious when clicking on links or opening attachments.

Hi,

Thank you very much for the update.

I look forward to receiving the EA documents next week.

Regards,

[REDACTED]

On Thu., Jun. 2, 2022, 1:57 p m. Marcerou, Yannick, <Yannick_Marcerou@golder.com> wrote:

[REDACTED]

We wanted to inform you that due to some confusion from our print shop, we do not expect to have all 4 volumes ready before early next week.

Please accept our apologies for the delay. We will contact you when the copies will be ready to be picked up at the Township's office.

Have a good day!

Yannick Marcerou, *he/him*

Environmental/Waste Engineer, M.Eng., P.Eng.

T+ 1 613-592-9600 #3318



From: [REDACTED]
Sent: May 27, 2022 5:56 PM
To: Marcerou, Yannick <yannick.marcerou@wsp.com>
Cc: Doug Froats <dfroats@northdundas.com>; Edmond, Trish <trish.edmond@wsp.com>; Smolkin, Paul <paul.smolkin@wsp.com>
Subject: Re: Draft Environmental Assessment for the Township of North Dundas Waste Management Plan

EXTERNAL EMAIL

EXTERNAL EMAIL - We could not verify the authenticity of this message. Please be cautious when clicking on links or opening attachments.

Hi,

Thank you for getting back to me.

Yes, I would like to have a hard copy, as it would be impossible to review a 1,300 page document at the township office or at the Winchester library.

I can come to pick it up at the Township office, once it's ready, to save on postage. My home number is [REDACTED], if someone can call me when it's ready.

I have seen the post today, on the Township of North Dundas Facebook page. Thank you for arranging this.

Best Regards,

[REDACTED]

On Fri., May 27, 2022, 3:20 p m. Marcerou, Yannick, <Yannick_Marcerou@golder.com> wrote:

Hello,

This is to confirm that we have received your request for a hardcopy of the draft EA. We limited the number of hardcopies circulated as part of our efforts to reduce our carbon footprint, but copies are available for review at public viewing locations: the Township office, the SD&G Library Winchester Branch, the SD&G Counties office, and the Ontario Ministry of the Environment, Conservation and Parks (MECP) office in Cornwall. If you still require your own copy for your review, we will have a copy prepared early next week and we will mail it to you as soon as we can. Please let us know what address we should send it to.

The Township advertised the upcoming circulation of the draft EA in the Chesterville Record on May 12, 2022 and in the North Dundas Times on May 18, 2022. A post on the Township's social media will be published soon.

Thank you for your email and we are looking forward to receiving your comments and feedback.

Have a good afternoon and a good weekend!

Sincerely,

Yannick Marcerou, *he/him*

Environmental/Waste Engineer, M.Eng., P.Eng.

T+ 1 613-592-9600 #3318

From: [REDACTED]
Sent: May 27, 2022 12:24 PM
To: Marcerou, Yannick <yannick_marcerou@wsp.com>; Doug Froats <dfroats@northdundas.com>
Subject: Re: Draft Environmental Assessment for the Township of North Dundas Waste Management Plan

EXTERNAL EMAIL

EXTERNAL EMAIL - We could not verify the authenticity of this message. Please be cautious when clicking on links or opening attachments.

Hello,

Yes, I would like a printed copy please, even though I have downloaded all the files. Since this is a huge document (over 1,300 pages), I really can't print that very efficiently on my home printer.

Also, will this notice be shared to the Township's social media?

Thank you,

[REDACTED]

On Thu, May 26, 2022 at 5:11 PM Yannick Marcerou <yannick_marcerou@golder.com> wrote:



By clicking the links you agree to the [Terms of Use](#).

Sender Name **Yannick Marcerou**
Phone [6135929600](tel:6135929600)
Email yannick_marcerou@golder.com

Download Files

Available until 25. Jun 2022

Password: No password required.

Hello,

The Township of North Dundas (Township) has completed a draft Environmental Assessment (EA) of the Township of North Dundas Waste Management Plan. The Township is seeking input on the draft EA. Please see the notification letter in the link provided outlining further information on the EA, the draft EA and how to submit comments on the draft EA. An electronic copy of the draft EA is also provided on the project website at <https://www.northdundas.com/municipal-services/environmental-assessments> and consists of all volumes (Volumes 1 to 4).

As a requirement of commitment 15 in the approved Terms of References, the draft EA Study Report will be available for public review and comment from May 27, 2022 to June 24, 2022 for a four-week review period.

Following the above review period, the draft EA Study Report will be updated to address comments received and will be submitted to the Ontario Ministry of the Environment, Conservation and Parks (MECP) as part of the formal review process.

Should you require a hard copy (or an electronic copy in a USB drive) of the draft EA Study Report, please email or call us and we will be happy to prepare it for you. 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 on June 25, 2022.

Please let us know if you have any issues accessing the notice letter or the draft EA Report from the link provided.

Sincerely,

Yannick Marcerou

Attachments in Link: Click on the link in the upper right corner of this email labelled "Download Files" to access the Notification Letter and the draft EA Study Report (Volumes 1, 2, 3 and 4).

Yannick Marcerou, *he/him*

Environmental/Waste Engineer, M.Eng., P.Eng.

T+ 1 613-592-9600 #3318

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

wsp.com | golder.com

WSP and Golder have joined together to form the premier environmental consultancy in the industry. Together we are 14,000 strong, future ready and delivering innovative solutions to our clients around the globe.

Transfer Details

CC: yannick_marcerou@golder.com
dfroats@northdundas.com
trish_edmond@golder.com
jordan.hughes@ontario.ca
robert_mcdonald@golder.com

Download Link: <https://smc.golder.com/download?id=loriNqI3Ss&password=tc2%3DHfR%40>

Files in this Transfer

1648253 Boyne_EA-DRAFT-Volume 2.pdf
NOTICE~1.PDF
1648253 Boyne_EA-DRAFT-2022-05-17.pdf
1648253 Boyne_EA-DRAFT-Volume 4.pdf
1648253 Boyne_EA-DRAFT-Volume 3.pdf

For further information please follow this link: [Cryptshare Documentation](#)

This message has been generated automatically.

Public

#	Reference to EA	Comments & Rationale	Proposed Action / Solution	Changes to the EASR
Public				June 24, 2022
1	Draft EA	<p>Regarding the 25 year planning period, I realize that this is a requirement of the province. However, it seems short sighted (in my opinion) to do that. Will the new landfill, as proposed by this EASR, really be full 25 years after it opens? I wonder if it would not be prudent to invest a bit more in the size of the new landfill to provide more capacity for later on. After all, the current landfill is already 57 years old. Also, if the new landfill is full after 25 years, what options will the township have at that point? Is there already land available near the current landfill / new landfill for another landfill in 25 or 30 years? i.e. do we only have one opportunity here to build a new landfill, and 25+ years later we're in big trouble? Also, the city of Ottawa is starting their process for a new landfill, and they are aiming for a landfill that will last 30 years. Shouldn't we do at least the same?</p>	--	<p>The 25-year capacity for the landfill expansion reflects current practices in the province and serves as the basis for waste generation estimates. Improved waste diversion practices over the next 25 years may extend the lifespan of the landfill past 25 years, noting that the landfill capacity is based on the approved landfill volume and not the 25-year period.</p> <p>Additional waste planning options will be explored by the Township before the expanded landfill reaches capacity (which is outside the scope of this EASR). The 'new' landfill currently being proposed is an expansion to the existing landfill. This expansion does not negate the potential for another expansion in 25 or 30 years.</p> <p>The requirements and needs for the City of Ottawa differ from those of the Township of North Dundas. A 25-year planning period for waste management is typical and considered appropriate for the Township.</p> <p>No change required.</p>

#	Reference to EA	Comments & Rationale	Proposed Action / Solution	Changes to the EASR
2	EA Draft	What happens to the old (current) landfill after the new landfill becomes operational? Does something need to be done to it? If so, what needs to be done and what are the costs?	--	The existing footprint of waste at the Boyne Landfill site will be extended and waste will be placed on top of a portion of and next to the existing landfill as shown in Section 12.0. The areas of the landfill, for both the existing landfill and the expansion area, that have reached their final design contours will progressively have a permeable final soil cover placed upon it. The costs for final closure of the whole landfill will be spread out over the life of the landfill and will be included in the Township's annual budgeting for site operations. The Township will be responsible for the maintenance and care of the whole landfill site. No changes required.

#	Reference to EA	Comments & Rationale	Proposed Action / Solution	Changes to the EASR
3	<p>Volume I, Executive Summary, Page E29, Design and Operations</p> <p>Volume I, Section 13.10.5, Impact Assessment of the Preferred Undertaking – Design and Operations – Capital and Operating Costs</p>	<p>Regarding the cost estimates (page E29), These are in 2021 dollars. Shouldn't they now be converted to be in 2022 dollars?</p>	<p>--</p>	<p>These estimates were prepared in 2021 and properly reflect the time they were prepared. Updated cost estimates will be prepared as part of final design and can be updated to current year values when the work is to be done. No changes required.</p>

#	Reference to EA	Comments & Rationale	Proposed Action / Solution	Changes to the EASR
4	<p>Volume I, Executive Summary, Page E29, Design and Operations</p> <p>Volume I, Section 13.10.5, Impact Assessment of the Preferred Undertaking – Design and Operations – Capital and Operating Costs</p>	<p>Regarding the phasing of the capital costs, what are the approximate timelines? i.e. Year 1 - do xxxx, Year 2 - do yyyy, Year 3 - do zzzz, etc. And how are each of the 3 groupings of capital costs phased? I believe that it was mentioned at the open house in April 2022 that it will take about 1 year for the province to approve this EASR. So, approximately when will the new landfill become operational? 2025? 2026?</p>	--	<p>As discussed in Section 13.10.5, the main capital costs will be phased with progressive construction and filling of the expansion. Initially the clearing and base for the first expansion cell will be constructed, along with the stormwater management wetland and ditch on the north side of the existing landfill. The mitigation measures in the Volks Drain could be constructed during the first few years of the expansion. The exact timing of the progressive construction (and therefore capital costs) will be dependent on the needs of the landfill based on the rate of waste being received on site.</p> <p>Because the selected waste management option is landfill expansion, the 'new' landfill's operation will be a continuation of the existing landfill's operation. The date of EA approval will designate the start of subsequent EPA approvals and then construction of the expansion. The currently approved site capacity is expected to be reached into 2024, so the intent is to be able to start to shift disposal into the expansion area at that time. No changes required.</p>

#	Reference to EA	Comments & Rationale	Proposed Action / Solution	Changes to the EASR
5	<p>Volume I, Executive Summary, Page E29, Design and Operations</p> <p>Volume I, Section 13.10.5, Impact Assessment of the Preferred Undertaking – Design and Operations – Capital and Operating Costs</p>	<p>Again, regarding costs, on page E29, it says "These cost components are not expected to adversely impact municipal finances." Is this still true, given the current economic pressures and rate of inflation in Canada?</p>	--	<p>As discussed on page E29 and in Section 13.10.5, the rationale provided was that the operating costs are expected to be comparable to current operating costs and that the capital costs will be phased with progressive construction and can be planned with the Township's annual capital expenditures budgeting process. This rationale remains true in the current economic situation. No changes required.</p>

#	Reference to EA	Comments & Rationale	Proposed Action / Solution	Changes to the EASR
6	Volume 1, Section 1.2 – Introduction – Identification of Proponent	In section 1.2, page 1-2, it gives the population of North Dundas as "2016 population of 11, 278". I realize that the 2021 census information is not yet available from Statistics Canada, but when it is, can this please be updated accordingly? This is especially important given the events of the last two years, with more and more people moving outside of Ottawa to rural areas, related to the pandemic and the ability for more people to work from home. The demands on water and sewage services within North Dundas Township due to high increased demand for new homes likely would also reflect an increase in demand for waste management services, would it not?	--	The data available at the time the report prepared was used and was properly referenced. No changes required.

#	Reference to EA	Comments & Rationale	Proposed Action / Solution	Changes to the EASR
7	Volume 1, Section 1.3.2 – Introduction – Current Waste Management System – Residual Waste Disposal (Boyne Road Landfill Site)	<p>In Section 1.3.2, it says “The Boyne Road Landfill is located ... which is approximately mid-way between the two main population centres within the Township - the villages of Winchester and Chesterville.”</p> <p>The town of Winchester is 2 km from the landfill, whereas the town of Chesterville is 8 km (as the crow flies) from the landfill or 10 km (via Boyne Road and County Road 7) from the landfill. So, the landfill is not approximately mid-way between the two main population centres.</p>	--	Acknowledged and agreed. Text in EASR Section 1.3.2 will be updated.
8	Draft EA	Somewhat outside of the scope of this is the whole recycling program in North Dundas Township. Is there any real data that shows the percentage of residents that recycle and/or compost their kitchen/garden waste? How do we know if we are doing enough recycling to divert waste from the landfill?	--	This topic is discussed in Volume III, Appendix J – Waste Diversion Study. No changes required.

Boyne Road Landfill [MHSTCI File 0006336]

MHSTCI Detailed Comments on draft Environmental Assessment of the Township of North Dundas Water Management Plan (prepared by Golder and dated May 2022)

June 23, 2022

Item No.	Part, Chapter, Sec, Subsec, page, DWG#	Review Comment
1	<p>6.0 Assessment of 'Alternatives To' the Undertaking</p> <p>6.4 Comparative Evaluation of 'Alternatives To'</p> <p>Table 6-7: Summary of Evaluation of Alternatives – Cultural Heritage Resources</p> <p>Page 6-16</p>	<p>Please remove references to provincial approvals for built heritage resources and cultural heritage landscapes. As this project does not contain provincially owned lands, or property with provincial heritage protections, there are no relevant provincial approvals.</p> <p>In Ontario, the vast majority of protected heritage properties (which would require approvals for alterations) are identified and protected by the municipality under the <i>Ontario Heritage Act</i>.</p> <p>We recommend the following alternative language is incorporated into each cell in this row:</p> <p>“...would have received the required provincial approvals regarding cultural heritage for protected heritage properties.”</p>
2	<p>8.0 Study Areas and Environmental Component Work Plans for Landfill Expansion</p> <p>8.2 Environmental Component Work Plans</p> <p>Table 8-1: Summary of Work Plans for the EA</p> <p>Page 8-15</p>	<p>For both Cultural Heritage Landscapes and Built Heritage Resources, please add the following to the Data Collection and Field Work Column, as a step that would take place before “complete a cultural heritage resources impact assessment”:</p> <ul style="list-style-type: none"> • Complete the MHSTCI Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes (2016) checklist
3	<p>9.0 Description of the Environment Potentially Affected for Landfill Expansion</p> <p>9.7.1 Archaeological Resources</p>	<p>The discussion of archaeology should conclude with a statement that the Stage 1 archaeological assessment determined that the study area has low potential to contain archaeological resources.</p>

Boyne Road Landfill [MHSTCI File 0006336]

MHSTCI Detailed Comments on draft Environmental Assessment of the Township of North Dundas Water Management Plan (prepared by Golder and dated May 2022)

June 23, 2022

	Page 8-89	
4	9.0 Description of the Environment Potentially Affected for Landfill Expansion 9.7.1 Archaeological Resources Page 8-89	Similar to the comment above, this section should provide a concluding statement to say there are no known or potential built heritage resources or cultural heritage landscapes in the study area.
5	Appendix G-2 Stage 1 Archaeological Assessment	Please note that the Stage 1 Archaeological Assessment for this project has been submitted to MHSTCI (Archaeology Program Unit) but has not yet been reviewed and accepted onto the Ontario Public Register of Archaeological Reports. The Stage 1 AA is not considered complete until it has been accepted onto the Register. If there are concerns about finalizing the assessment within project timelines, you may wish to ask the licensed archaeologist who prepared the report to submit a request for expedited review the Ministry.

July 2022

Government Review Team

Proposal: North Dundas Waste Environmental Management Plan Environmental Assessment

Proponent: Township of North Dundas

Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
<p>Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) Laura Hatcher – Heritage Planner Heritage Planning Unit Programs and Services Branch Heritage, Tourism and Culture Division</p>				
1.	<p>Volume 1, Section 6.0, Assessment of 'Alternatives To' the Undertaking</p> <p>Volume 1, Section 6.4, Comparative Evaluation of 'Alternatives To'</p> <p>Table 6-7: Summary of Evaluation of Alternatives – Cultural Heritage Resources</p>	<p>Please remove references to provincial approvals for built heritage resources and cultural heritage landscapes. As this project does not contain provincially owned lands, or property with provincial heritage protections, there are no relevant provincial approvals.</p> <p>In Ontario, the vast majority of protected heritage properties (which would require approvals for alterations) are identified and protected by the municipality under the Ontario Heritage Act.</p>	<p>We recommend the following alternative language is incorporated into each cell in this row:</p> <p>“...would have received the required provincial approvals regarding cultural heritage for protected heritage properties.”</p>	<p>Requested changes to the EA sections have been made.</p>
2.	Volume 1,	For both Cultural Heritage	Make the changes suggested.	Requested changes to the

July 2022

Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
	<p>Section 8.0, Study Areas and Environmental Component Work Plans for Landfill Expansion</p> <p>Volume 1, Section 8.2, Environmental Component Work Plans</p> <p>Table 8-2: Summary of Work Plans for the EA</p>	<p>Landscapes and Built Heritage Resources, please add the following to the Data Collection and Field Work Column, as a step that would take place before "complete a cultural heritage resources impact assessment":</p> <p>Complete the MHSTCI Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes (2016) checklist</p>		<p>EA sections have been made.</p>
3.	<p>Volume 1, Section 9.0, Description of the Environment Potentially Affected for Landfill Expansion</p>	<p>The discussion of archaeology should conclude with a statement that the Stage 1 archaeological assessment determined that the study area has low potential to contain archaeological resources.</p>	<p>Make the changes suggested.</p>	<p>The requested statement to be added to Section 9.7.1 is a conclusion after review of the background data and is more appropriate in Section 13.7.1 - the impact assessment where such information is already contained. Additional text</p>

July 2022

Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
	Volume 1, Section 9.7.1, Archaeological Resources			has been added to the beginning of Section 9.7.1 clarifying that this section of the EASR summarizes background information and Section 13.7.1 provides conclusions from the assessment of the background information.
4.	Volume 1, Section 9.0, Description of the Environment Potentially Affected for Landfill Expansion Volume 1, Section 9.7.2, Built Heritage Resources and Cultural Heritage Landscapes	Similar to the comment above, this section should provide a concluding statement to say there are no known or potential built heritage resources or cultural heritage landscapes in the study area.	Make the changes suggested.	Section 9.7.2.3.1 contains the summary that no known or potential built heritage resources or cultural heritage landscapes are present in the study area. No changes to the EASR are proposed.
5.	Volume 2, Appendix G-2	Please note that the Stage 1 Archaeological Assessment for	No changes to the EASR are proposed.	Acknowledged.

July 2022

Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
	Stage 1 Archaeological Assessment	<p>this project has been submitted to MHSTCI (Archaeology Program Unit) but has not yet been reviewed and accepted onto the Ontario Public Register of Archaeological Reports. The Stage 1 AA is not considered complete until it has been accepted onto the Register.</p> <p>If there are concerns about finalizing the assessment within project timelines, you may wish to ask the licensed archaeologist who prepared the report to submit a request for expedited review the Ministry.</p>		

July 2022

Government Review Team

Proposal: North Dundas Waste Environmental Management Plan Environmental Assessment

Proponent: Township of North Dundas

Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
<p>Ministry of Northern Development, Mines, Natural Resources and Forestry Sam Short – Regional Planner Land Use Planning and Strategic Issues Section</p>				
1.	Draft EA	<p><u>Fish and Wildlife Conservation Act</u></p> <p>Please note, that should the project require:</p> <ul style="list-style-type: none"> • The relocation of fish outside of the work area, a License to Collect Fish for Scientific Purposes under the <i>Fish and Wildlife Conservation Act</i> will be required. • The relocation of wildlife outside of the work area (including amphibians, reptiles, and small mammals), a Wildlife Collector's Authorization under the <i>Fish and Wildlife Conservation Act</i> will be required. 	No changes to the EASR are proposed.	Acknowledged.

From: Short, Sam (NDMNR) <Sam.Short@ontario.ca>

Sent: June 21, 2022 2:12 PM

To: Doug Froats <dfroats@northdundas.com>

Subject: RE: REQUEST FOR REVIEW - Draft EA for the Township of North Dundas Waste Management Plan

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

Hello Doug,

Thank you for circulating the attached notice to our office. NDMNR's Land Use

Planning and Strategic Issues Section (LUPSI) has received and reviewed the Draft EA prepared for the Township of North Dundas Waste Management Plan/Boyne Road Landfill expansion. We provide the following comments for your consideration.

Fish and Wildlife Conservation Act

Please note, that should the project require:

- The relocation of fish outside of the work area, a Licence to Collect Fish for Scientific Purposes under the *Fish and Wildlife Conservation Act* will be required.
- The relocation of wildlife outside of the work area (including amphibians, reptiles, and small mammals), a Wildlife Collector's Authorization under the *Fish and Wildlife Conservation Act* will be required.

Thank you for the opportunity to provide comments. I look forward to hearing from you.

Sam Short (he/him)

Regional Planner

Ph: 705-772-9329

Land Use Planning and Strategic Issues Section – Southern Region

Ministry of Northern Development, Mines, Natural Resources and Forestry

September 2022

Government Review Team

Proposal: North Dundas Waste Environmental Management Plan Environmental Assessment

Proponent: Township of North Dundas

Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
South Nation Conservation Michael Melaney – Hydrogeologist				
1.	Draft EA	The documents do not include any detailed geological cross-sections as recommended during South Nation Conservation's review of the groundwater workplan.		A draft work plan was circulated to SNC, followed by a conference call with SNC and the MECP technical support reviewers to discuss any comments or questions; see Volume 4 Appendices G1 and G2, respectively. A summary of the conference call along with an updated work plan were circulated to all the same parties; see Volume 4 Appendices G2 and G3, respectively. No geological cross-sections were previously requested. A north-south cross section has been added to Section 9.2.1 of Volume 1 as Figure 9-5A.

September 2022

Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
2.	Figure 9-6 and Figure 9-7	<p>Two potentiometric maps have been provided on Figures 9-6 and 9-7, and MW07-25, MW16, and MW17 have been interpreted as a potentiometric sink. This interpretation is likely in error as it means the water is leaving the system at that location. However the overall hydraulic conceptual interpretation appears satisfactory</p> <p>It is assumed that the MECP has completed a thorough review of the annual monitoring reports. In general they appear to show that impacted groundwater is moving away from municipal WHPA's.</p>	Leachate plume mapping should be included as it would clarify the overall longterm potential for impacts to water sources being utilized for human consumption.	It is acknowledged that the potentiometric maps shown on Figures 9-6 and 9-7 do make it appear that there could be a potentiometric sink, although the text very clearly indicates this is not interpreted to be the case as outlined in the first paragraph of Section 9.2.2.2.1: "Topography in the Site and Site-vicinity Study Areas is flat; as a result, hydraulic gradients, and groundwater flow directions may vary temporarily/seasonally and can be influenced by very slight variations in groundwater elevations."

September 2022

Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
				<p>As noted in Section 9.2.2.2.4 of Volume 1, based on the upper bound of the typical groundwater flow velocity it is estimated that the leachate plume could have travelled approximately 220 m from the waste fill area, which essentially indicates a plume within the landfill property or the contaminant attenuation zone. Section 9.2.2.2.5 indicated there was good agreement with analytical site data and this interpretation of plume location. Section 9.2.2.2.5 has been updated to outline what monitoring wells are interpreted as being impacted by landfill leachate; this serves to provide the extent of the leachate affected groundwater, and no plan illustrating plume location is required.</p>

September 2022

Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
3.	Draft EA	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.	As recommended by the MECP, additional work should be completed to fully comprehend the potential risk to the municipal wells even though the current risk may seem low. Due to the scarcity of regional aquifers having relatively good water quality across the South Nation watershed, it is critical that all possible due diligence steps be taken to protect these sources	The MECP made comments for further assessment, monitoring and contingency plans in September 2019 while reviewing the Terms of Reference and it was repeated in 2022. It is noted that additional assessment was provided in Section 9.2.2.3 of Volume 1 for the existing site and Section 13.2.4 of Volume 1 for the preferred landfill expansion alternative. The monitoring and contingency programs outlined in Sections 16.1.1 and 16.2.1 of Volume 1, respectively, although meant primarily to be protective of reasonable groundwater usage adjacent to the landfill, are also therefore monitoring and would trigger contingency that would also be protective of the distant municipal water supply wells. As noted in Section 16.1 of Volume 1, the existing groundwater trigger mechanism will be reviewed and modified as appropriate during the ECA amendment application for the landfill expansion. No changes to the EASR are proposed.

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4.	Draft EA	There is uncertainty in all hydrogeological interpretation including those for this project. It should be understood that uncertainty in the hydrogeology and/or leachate plume conditions could result in significant financial and societal impacts.	Consequently, continual assessment and adjustment is necessary to protect the neighboring municipal water resources and regional aquifers.	Understood. The models used for assessment of this landfill expansion have used conservative assumptions and the proposed continual assessment and adjustment are described in Section 16.1 of Volume 1, noting there will be refinement during the ECA amendment application for the landfill expansion. No changes to the EASR are proposed.
5.	Draft EA	Additional monitoring wells and testing (other than slug tests) should be completed to clarify the hydrogeological setting and leachate plumes. This should be accompanied with specific contingency plans to ensure municipal water supplies and aquifers are not at risk.		As noted in Section 16.1, groundwater and surface water monitoring programs have been ongoing at the Boyne Road Landfill site for approximately 30 years. Several new monitoring wells were installed in advance of this landfill expansion project to provide coverage in areas that had not been previously investigated and/or monitored. These include MW 15-1 and 15-2 to the south of the existing landfill in the area of the proposed lateral expansion and MWs 16-1 A and B, 16-2 and 16-3 A, B and C on the north side of Boyne Road in the area of snow disposal and the CAZ. It is noted that all geological and hydrogeological borehole data collected, all slug tests, all potentiometric surfaces prepared and

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Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
				<p>estimates of groundwater flow velocity in Volume I and historical site monitoring reports all portray a consistent conceptual model of groundwater movement and behaviour in the area of the Boyne Road Landfill site. To assess landfill expansion potential groundwater impacts, 1-D transport calculations were prepared as outlined in Section 13.2.1 of Volume 1 and calibrated well to existing conditions, further substantiating the understanding of existing conditions. The MECP groundwater reviewer is supportive of the assessment of existing conditions and future potential impact associated with landfill expansion. As such, no further monitoring wells and testing is deemed necessary.</p> <p>Contingency plans for off-site groundwater users were described in Section 16.2.1 of Volume 1 and accepted by the MECP groundwater reviewer. These contingency plans would also be relevant and applicable to the more distant municipal water supply wells.</p>

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Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
6.	Draft EA	<p>The MECP has indicated that, if the ongoing groundwater monitoring program at any of the Compliance Evaluation Monitoring Wells defines the existence of, or potential for, unacceptable impacts on groundwater quality beyond the CAZ boundaries, the Township will prepare and present a mitigation plan for the approval of the MECP Director and/or the District Manager. Contingency actions to be taken by the Township to prevent or remediate the off-property impacts could consist of:</p> <ul style="list-style-type: none"> a. Delineation of the extent of the leachate impact on groundwater, and acquisition of additional CAZ land to bring the site into compliance with the RUG; b. Gaining control over the contaminated groundwater to bring the site into compliance; and, c. Developing and implementing groundwater control/treatment measures 	<p>A full understanding of these contingency actions is necessary due to the presence of the municipal wells. These actions to prevent and or remediate can be very expensive and long lasting.</p>	<p>Acknowledged; however, it is not possible to provide a full understanding of these contingency actions at this time. The selected contingency action has to be evaluated at the time an issue is identified, as action requirements can change based on depth of leachate impact in the groundwater system, parameters and their concentration relative to the regulatory criteria, and direction of impact in relation to the landfill. The MECP is well aware of this and that is why they allow for contingency development details to be provided when an issue is identified. It should be noted, however, that trigger mechanisms that trigger contingency actions are not set at the regulatory limits, i.e., Reasonable Use for groundwater or PWQO for surface water, but instead often 75% of those limits when evaluated at property boundaries or in surface water courses to allow some time to implement contingencies before the site is actually out of compliance. Furthermore, for groundwater the Reasonable Use criteria are already lower than drinking water objectives and hence there is a considerable degree of</p>

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Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
		(for example, a groundwater interceptor trench in overburden or purge wells in bedrock) to bring the site into compliance with the RUG.		conservatism as related to individual wells and the even more distant municipal wells because the evaluation is a comparison to criteria below the drinking water objectives. Also, as previously noted, there is a significant distance from the landfill to the municipal wells. No changes to the EASR are proposed.



Via E-mail (dfroats@northdundas.com)

July 20, 2022

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

**Subject: Environmental Assessment Waste Management Plan
Hydrogeological Review
Boyne Road Landfill Expansion
Township of North Dundas
Lot 8, Concession 6 (Winchester)
Roll Number: 051101600616000**

Dear Mr. Froats,

South Nation Conservation (SNC) has received and reviewed the following documents:

- i. Volume 1 Environmental Assessment of the Township of North Dundas Waste Management. Prepared by Golder and the Township of North Dundas. Dated May 2022.
- ii. Volume 2 Environmental Assessment of the Township of North Dundas Waste Management. Prepared by Golder and the Township of North Dundas. Dated May 2022.
- iii. MECP Memorandum review of the Environmental Assessment, Dated June 20, 2022.

The reports provided for review seem to assume that SNC has significant knowledge of the site's geological and hydrogeological conditions. It is suspected that much more information through annual monitoring reports has been reviewed concurrently with these submittals by the MECP. Generally, during hydrogeological reviews SNC would expect to see the following:

- multiple interpreted geological cross-sections;
- hydrogeological analyses inclusive of longterm pumping tests to appropriately assess the bulk hydrogeological parameters;
- annual and seasonal potentiometric maps with a well defined and understood groundwater flow directions locally and regionally;
- leachate plume mapping in separate aquifers (if defined appropriately).





SNC offers the following comments on the documents provided:

1. The documents do not include any detailed geological cross-sections as recommended during South Nation Conservation's review of the groundwater workplan.
2. Two potentiometric maps have been provided on Figures 9-6 and 9-7, and MW07-25, MW16, and MW17 have been interpreted as a potentiometric sink. This interpretation is likely in error as it means the water is leaving the system at that location. However, the overall hydraulic conceptual interpretation appears satisfactory. Leachate plume mapping should be included as it would clarify the overall long-term potential for impacts to water sources being utilized for human consumption. It is assumed that the MECP has completed a thorough review of the annual monitoring reports. In general, they appear to show that impacted groundwater is moving away from municipal WHPA's.
3. 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. As recommended by the MECP, additional work should be completed to fully comprehend the potential risk to the municipal wells, even though the current risk may seem low. Due to the scarcity of regional aquifers having relatively good water quality across the South Nation watershed, it is critical that all possible due diligence steps be taken to protect these sources.
4. There is uncertainty in all hydrogeological interpretation, including those for this project. It should be understood that uncertainty in the hydrogeology and/or leachate plume conditions could result in significant financial and societal impacts. Consequently, continual assessment and adjustment is necessary to protect the neighboring municipal water resources and regional aquifers.
5. Additional monitoring wells and testing (other than slug tests) should be completed to clarify the hydrogeological setting and leachate plumes. This should be accompanied by specific contingency plans to ensure municipal water supplies and aquifers are not at risk.
6. The MECP has indicated that, if the ongoing groundwater monitoring program at any of the Compliance Evaluation Monitoring Wells defines the existence of, or potential for, unacceptable impacts on groundwater quality beyond the CAZ boundaries, the Township will prepare and present a mitigation plan for the approval of the MECP Director and/or the District Manager. Contingency actions to be taken by the Township to prevent or remediate the off-property impacts could consist of:



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- a. Delineation of the extent of the leachate impact on groundwater, and acquisition of additional CAZ land to bring the site into compliance with the RUG;
- b. Gaining control over the contaminated groundwater to bring the site into compliance; and,
- c. Developing and implementing groundwater control/treatment measures (for example, a groundwater interceptor trench in overburden or purge wells in bedrock) to bring the site into compliance with the RUG.

A full understanding of these contingency actions is necessary due to the presence of the municipal wells. These actions to prevent and or remediate can be very expensive and longlasting.

I trust the above is to your satisfaction. If you have any questions, please feel free to ask.

Sincerely,

Michael Melaney, M.Sc., P.Eng.
Hydrogeologist
South Nation Conservation

Tel: 1-613-984-2948

July 2022

Government Review Team

Proposal: North Dundas Waste Environmental Management Plan Environmental Assessment

Proponent: Township of North Dundas

Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
South Nation Conservation James Holland – Watershed Planner				
1.	Section 9.4.1.3.6	Fish community surveys were only conducted in the summer and fall. Additionally, in 2020 the watershed was in drought conditions which would impact the ability to complete fish surveys.	A spring survey should have been completed when water levels were higher to determine use of the watercourses by fish.	All watercourses were conservatively determined to be fish habitat, supported by observation of watercourse conditions during the spring (April 1 and May 13) headwater drainage features surveys. The fish community in these features is assumed to mirror the community known to be present in Black Creek (described in Section 5), to which they are directly connected. WSP/Golder suggests that additional surveys are not required and will confirm with DFO through the subsequent permitting process. No changes to the EASR are proposed.

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Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
2.	Section 9.4.2.1	A discussion on Reach 3 is missing.	--	<p>The text describing Reach 3 was inadvertently deleted from the draft but has been added to Section 9.4.2.1 as follows: Reach 3</p> <p>Reach 3 is an intermittent channelized stream/ditch that parallels the southern boundary of the existing landfill before meeting up with Reach 4. During the April 2020 survey, this reach had low to moderate flow, with a depth of 100 to 280 mm. Wetted width was 2.5 m and bankful width was 2.5 m. Substrate was silt, clay, and organics. During the May 2020 survey, there was low flow. Very little to no instream habitat features were observed, with the exception of some downed woody debris and vegetation such as grasses and forbs. This reach was dry during the July 2020 and September 2020 surveys. Refer to Table 9-14 for basic water quality parameters.</p>

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Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
3.	Section 9.4.2	In 2020 the watershed was in drought conditions for the entire summer.	A discussion on the implications of this in relation to the aquatic ecosystems findings should be added.	See response to Comment #1.
4.	Section 9.4.2.2	Quart Municipal Drain would be considered indirect fish habitat as it provides some flow, sediments, nutrients, allochthonous inputs to downstream fish habitat.	--	As noted in Section 9.4.2.1.5: <i>The Quart Municipal Drain has been historically observed as dry and does not connect to the perimeter ditch which services the landfill fill area. Although historically dry, the designed drainage of the ditch is towards the west and would also not permit flow into Reach 2.</i> Based on this, Quart Drain does not provide inputs to downstream habitats on the Site, though it may provide inputs to downstream habitats off-Site. WSP/Golder will discuss this with DFO through the subsequent permitting process. No changes to the EASR are proposed.
5.	Section 9.4.4.5.1	The second paragraph states that the boundaries of the unevaluated and evaluated non-significant wetlands were refined in the field.	Any refinements to boundaries should be reviewed and accepted by the MNRF.	Acknowledged. MNRF have reviewed the draft EA.

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Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
6.	Section 10.1	The piping of the Volks Municipal Drain along the North side of the landfill will require a permit and submission to DFO for review.	--	Acknowledged. A request for Project Review and permit will be sought at the appropriate time as noted in Section 17.2 and 17.6 of the EASR.
7.	Section 10.1	As part of the work on the Volks Municipal Drain, invasive Phragmites plants should be removed from the drain along Boyne Road. This plant can quickly fill the drain and impede flows, nutrients, fish, and other organisms from moving downstream.	--	Acknowledged. The proposed work along the section of Volks Municipal Drain opposite the landfill site, whether it be a culvert or a lined open ditch, will involve the removal of the existing vegetation and this has been noted in Section 12.5 of Volume 1. As such, the removal of Phragmites plants will be carried out as part of this work in this section of the drain along the north side of Boyne Road.
8.	Figure 13-9 and Figure 11-7 and Figure 9-11	Figure 13-9 (page 411) and Figure 11-7 (page 321) don't match Figure 9-11 (page 228) in terms of the significant wildlife habitat - interior forest.	--	Figure 9-11 shows the extent of interior forest under existing conditions. Figure 11-7 shows the extent of interior forest remaining after construction of Alternative 3 (including an assumed 30 m construction access off-set). Figure 13-9 shows the extent of interior forest remaining after construction of the

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Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
				Preferred Alternative (including an assumed 30 m construction access off-set). Alternative 3 differs slightly from the Preferred Alternative in that the location of the proposed new perimeter ditch was shifted to be on the lower portion of the landfill sideslope in the Preferred Alternative compared to Alternative 3, resulting in the minor difference in remaining interior forest mapped on Figure 13-9 when compared to Figure 11-7. No changes to the EASR proposed.
9.	Section 13.4.1.2.1	It is very important to note that no alterations to the site can occur prior to receiving approval from the MECP in regard to the Species at Risk identified on or adjacent to the site.	--	Acknowledged. MECP approval is discussed in Section 17.3 of the EASR.
10.	Table 13-27	The timing window dates are incorrect. In-water work is allowed from July 1st to March 14th.	--	EASR text in Table 13-27 has been revised.
11.	Draft EA	The new perimeter ditch should follow natural channel design principles and include an appropriate vegetated buffer.	--	The new perimeter ditch will collect runoff from the landfill cover and convey it to the proposed SWM pond. The new perimeter ditch will be

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Comment #	Reference to EA	Comments & Rationale	Proposed Action/Solution	Proponent's Response
				<p>elevated onto the lower portion of the landfill sideslope as part of the final cover design to remove the potential pathway of leachate-impacted water discharging to the ditch (as would be expected if the ditch was constructed to below grade just beyond the toe of the landfill). Because of its location, it cannot be designed following natural design principles (with meanders, etc.) and a vegetated buffer is not needed (noting that the areas adjacent to the ditch will be vegetated as part of the final cover). No changes to the EASR proposed.</p>
12.	Draft EA	<p>The removal of the existing perimeter ditch will require a permit and submission to DFO for review. Especially since it will not be accessible to fish with the installation of the SWM pond.</p>	--	<p>Acknowledged. A request for Project Review and permit will be sought at the appropriate time as noted in Section 17.2 and 17.6 of the EASR.</p>
13.	Draft EA	<p>Native seed mixes should be used for all re-vegetation activities.</p>	--	<p>The perimeter ditches will be vegetated, but it is typical to vegetate them similar to the final cover that will be like a typical seed mix.</p>