



Appendix B

Terms of Reference Commitments Table

Where and How the EA Act Requirements and Commitments in the Approved Terms of Reference are Addressed in the EA Report

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
1.	The vertical capacity expansion proposed under this ToR will be for approximately 421,000 m ³ (including waste and daily/final cover) of additional capacity over a 5 to 7 year planning period. The planning period is a function of the constraints of the site (i.e., small footprint, ability to develop on existing waste footprint) and that the site will most likely not operate at the maximum annual fill rate at all times. Further, the planning period is a function of the business procured by the owner and the rate at which waste is received. This will be achieved through a re-engineering of the Site's final contours. The revision of final contours proposed under the EA may also require some redesign of the approved on-Site stormwater management system (due to altered waste slopes). However, all changes will occur within the Site's existing waste footprint and Site boundaries. (Section 1.0)	The proposed undertaking, as identified in the Minister-approved ToR, is described in EA Report.	Purpose/ Rationale	3.1
2.	The proposal will be to maintain the current rate, but allow for an annual maximum, rather than a daily. (Section 1.0)	The proposed undertaking, as identified in the Minister-approved ToR, is described in EA Report.	Purpose/ Rationale	3.1
3.	The methodology described in this ToR reflects a focused process that will meet the requirements of the Ontario <i>Environmental Assessment Act (EA Act)</i> and Ontario Regulation 101/07, the Waste Management Projects Regulation, made under the <i>EA Act</i> . (Section 1.0)	The EA process is described in Section 2.0.	EA Report	2.1 & 2.2
4.	The EA will be prepared in accordance with subsection 6.1(3) of the <i>EA Act</i> . (Section 1.0)	The EA process is described in Section 2.0.	EA Report	2.1 & 2.2

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
5.	Due to the change in waste slopes that will result from the altered final contours of the landfill, the capacity of the existing stormwater management ditches and ponds will be reviewed and may also be revised and improved to accommodate both quality and quantity of surface water on Site. (Section 1.2)	The capacity of the existing stormwater management ditches and ponds was reviewed as part of the Surface Water Resources Assessment and Conceptual Design Report.	Existing Conditions, Alternative Methods	4.3.3 & 5.1.1.5
6.	Issues with respect to traffic on local roads related to the Site operating at a fill rate of 500 tonnes per day have not been raised to date. This would indicate that the surrounding road network is able to sustain the traffic volumes associated with this rate of fill. Existing available information with respect to traffic and local roads will be utilized in the EA. (Section 1.3)	Existing available information with respect to traffic and local roads was utilized in the EA, including a traffic analysis of the two major roads (i.e., Highway 3 and Brooks Road) that provides access to the existing landfill Site.	Existing Conditions, Alternative Methods	4.5.1 & 5.1.1.7
7.	Studies completed for previous Site approvals have sufficiently characterized and analysed the existing geology and hydrogeology. As part of the EA, this existing available information on the geological and hydrogeological environment will be presented to the public, including the potential for karst geology and abandoned gypsum mines within the area. (Section 1.3)	Existing available information on the geological and hydrogeological environment was presented to the public, including the potential for karst geology and abandoned gypsum mines within the area.	Existing Conditions	4.3.2 & App E
8.	The proposed undertaking will be the vertical expansion of the capacity of the existing Brooks Road Landfill Site to allow the continued receipt of post-diversion IC&I waste over a 5 to 7 year planning period and an amendment to the Site's rate of fill to provide for a maximum of 151,000 tonnes per year. (Section 4.0)	The proposed undertaking, as identified in the Minister-approved ToR, is described in EA Report.	Purpose/Rationale	3.2

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
9.	Ultimately, the landfill will not exceed 421,000 m ³ (total), nor will it exceed 151,000 tonnes for any given year. (Section 1.3)	The proposed undertaking, as identified in the Minister-approved ToR, is described in EA Report.	Purpose/ Rationale	3.1
10.	It should be noted that a horizontal expansion of the site will not be looked at as part of the Alternative Methods due to natural and technical environmental constraints; namely: 1) the Site is constrained by a PSW and Brooks Road; and 2) investing in new landfill infrastructure (i.e., additional liner construction) is not economically feasible for the company. (Section 6.0)	The Alternatives To explored as part of the ToR did not include thermal treatment, biological processing, or expanding horizontally onto land not owned by the proponent.	Purpose/ Rationale	3.3
11.	In accordance with the 'focused' nature of the EA proposed under this ToR, alternative methods will include alternative conceptual vertical capacity expansion designs. These options will be similar in addressing the problem/opportunity for the project, but operationally different enough to conduct a proper comparative evaluation. (Section 7.0)	Alternative methods included alternative conceptual vertical capacity expansion designs. These options are similar in addressing the problem/opportunity for the project, but operationally different enough to conduct a proper comparative evaluation.	Alternative Methods	5.1
12.	It should be noted that we will not look at a horizontal expansion of the site as part of the Alternative Methods due to natural and technical environmental constraints; namely: 1) the Site is constrained by a PSW and Brooks Road; and 2) investing in new landfill infrastructure (i.e., additional liner construction) is not economically feasible for the company. This will be reiterated in the EA. (Section 7.0)	The Alternatives To explored as part of the ToR did not include thermal treatment, biological processing, or expanding horizontally onto land not owned by the proponent.	Purpose/ Rationale	3.3

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
13.	The EA will include a description of the purpose of the undertaking as well as a description of and statement of rationale for the undertaking, as included in this ToR. (Section 7.0)	A description of the purpose of the undertaking as well as a description of and statement of rationale for the undertaking, as identified in the Minister-approved ToR, is described in EA Report.	Purpose/ Rationale	3.1, 3.2
14.	The EA will include a description of and rationale for these alternative methods, to be developed in the early stages of the EA. Draft alternative methods will be presented to the public, agencies and Aboriginal communities for review and comment. The alternatives will be refined in response to public, agency and Aboriginal comment. A comparative evaluation of the alternative options using a Reasoned Argument (or Trade-off) method will be conducted, using evaluation criteria as a basis for comparison, and one or more preferred alternatives will be selected. (Section 7.0)	The EA Report includes a description of and rationale for these alternative methods, to be developed in the early stages of the EA. Draft alternative methods were presented to the public, agencies and Aboriginal communities for review and comment. The alternatives were refined in response to public, agency and Aboriginal comment. A comparative evaluation of the alternative options using a Reasoned Argument (or Trade-off) method was conducted, using evaluation criteria as a basis for comparison, and a preferred alternative was selected.	Alternative Methods	5.1, 5.2, 5.3, 5.4 & 6.6, 6.7, 6.8, 6.10
15.	The EA will address how each alternative method will conform to the requirements of O. Reg. 232/98 and related MOECC landfill design guidelines. (Section 7.0)	The EA Report addresses how each alternative method conforms to the requirements of O. Reg. 232/98 and related MOECC landfill design guidelines.	Alternative Methods	5.0 & App D
16.	An assessment of leachate treatment alternatives will be assessed in the EA. (Section 7.0)	An assessment of leachate treatment alternatives is assessed in the EA Report.	Alternative Methods	5.6 & App D

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
17.	The existing environment within the Site Study Area and Local Study Area will be studied and described in the EA. The studies and descriptions will address the five aspects of the environment, as defined in the EA Act; namely: (a) natural environment; (b) cultural environment; (c) built environment; (d) social environment; and (e) economic environment (for the purposes of this study the social and economic environments are grouped together under the category 'socio-economic environment'). (Section 7.1)	Two generic Study Areas were considered in the preparation of the EA and include the Site Study Area (within the Brooks Road Landfill Site) and the Local Study Area (within 1 km of the Site Study Area).	Existing Conditions	4.2
18.	Positive and negative environmental effects that could potentially arise from the undertaking and from alternative methods will be identified, assessed and described in the EA. (Section 7.2)	Positive and negative environmental effects that could potentially arise from the undertaking and from alternative methods are identified, assessed and described in the EA Report.	Alternative Methods, Impact Assessment	5.0 (summarized in Tables 5.9 – 5.12, 5.16, 5.25) & App E
19.	Measures for mitigating (i.e., eliminating or reducing to acceptable levels) potential negative environmental effects arising from the undertaking and from alternative methods will be identified and described in the EA. (Section 7.3)	Measures for mitigating (i.e., eliminating or reducing to acceptable levels) potential negative environmental effects arising from the undertaking and from alternative methods are identified and described in the EA Report.	Alternative Methods, Impact Assessment	5.0 (summarized in Tables 5.9 – 5.12, 5.16) & App E
20.	Advantages and disadvantages of the alternative methods of carrying out the proposed undertaking to the environment will be identified and described in the EA. In addition, although not formally required under the EA Act, a discussion on cumulative effects will be provided in the EA. (Section 7.4)	Advantages and disadvantages of the alternative methods of carrying out the proposed undertaking to the environment are identified and described in the EA Report. In addition, although not formally required under the EA Act, a discussion on cumulative effects is provided in the EA Report.	Alternative Methods, Impact Assessment	5.3, 5.4, 5.6, 5.7, 5.8 & App E

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
21.	<p>The EA will provide a strategy and schedule for preparation of a post-EA approval compliance monitoring plan to address:</p> <ol style="list-style-type: none"> 1. Fulfillment of EA conditions of approval 2. Actual net effects, over time 3. The fulfillment of commitments made during preparation of the ToR and EA <p>(Section 7.5)</p>	<p>A monitoring strategy and schedule was developed and included in the EA Report for all phases of the project, including construction, operation and maintenance. The Plan includes environmental effects monitoring activities and EA compliance monitoring activities, as well as contingency measures to proactively identify measures or a process for taking action on unexpected problems resulting from landfill operations.</p>	EA Report	7.3 & 8.0
22.	<p>'Alternative Methods' to be evaluated in the EA will be focused on alternative Site cell configurations.</p> <p>(Section 8.0)</p>	<p>'Alternative Methods' evaluated in the EA focus on alternative Site cell configurations.</p>	Alternative Methods	5.3 & App D
23.	<p>The alternatives will be developed based on criteria such as: constraints posed by existing topographical, geophysical and spatial conditions; relative financial and technical feasibility; staging/phasing of Site development; etc., and will be evaluated using a simple comparison process to identify the preferred alternative method.</p> <p>(Section 8.0)</p>	<p>The alternatives were developed based on criteria such as: constraints posed by existing topographical, geophysical and spatial conditions; relative financial and technical feasibility; staging/phasing of Site development; etc., and were evaluated using a simple comparison process to identify the preferred alternative method.</p>	Alternative Methods	5.1, 5.2 & App D
24.	<p>The development and consideration of alternative methods will utilize historical data developed at the Site during the past 40+ years, including geological, hydrogeological and geotechnical information; facility engineering and design information; groundwater and surface water monitoring data as well as new data to be acquired (e.g., through new monitoring wells and boreholes, hydrology studies, etc.). (Section 8.0)</p>	<p>The development and consideration of alternative methods utilized historical data developed at the Site during the past 40+ years, including geological, hydrogeological and geotechnical information; facility engineering and design information; groundwater and surface water monitoring data as well as new data acquired (e.g., through new monitoring wells and boreholes, hydrology studies, etc.).</p>	Alternative Methods	5.1, 5.3 & App D

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
25.	A comparative evaluation of the alternatives will be carried out during the EA using a Reasoned Argument (or Trade-off) method, using evaluation criteria as the basis for comparison. (Section 8.0)	A comparative evaluation of the alternatives was carried out during the EA using a Reasoned Argument (or Trade-off) method, using evaluation criteria as the basis for comparison.	Alternative Methods	5.4 & App E
26.	Each alternative will be compared against the others to distinguish relative differences in impacts to the environment, taking into account possible mitigation measures. (Section 8.0)	Each alternative was compared against the others to distinguish relative differences in impacts to the environment, taking into account possible mitigation measures.	Alternative Methods	5.4 & App E
27.	Although not considered to be a separate aspect of the environment within the <i>EA Act</i> , given the aboriginal interests within the area, the evaluation of alternative methods will include a comparison of the potential effects on aboriginal communities as well. (Section 8.0)	Although not considered to be a separate aspect of the environment within the <i>EA Act</i> , given the aboriginal interests within the area, the evaluation of alternative methods included a comparison of the potential effects on aboriginal communities as well under "socio-economic".	Alternative Methods	5.3, 5.4 & App E
28.	Evaluation criteria and indicators will be finalized during the EA. (Section 8.0)	Evaluation criteria and indicators were finalized during the EA.	Alternative Methods	5.2 & App E
29.	Two study areas will be established for preparation of the EA: the Site Study Area and the Local Study Area. (Section 9.0)	Two study areas were established for preparation of the EA: the Site Study Area and the Local Study Area.	Existing Conditions, Alternative Methods	4.2 & App E
30.	The Site Study Area will include all lands (i.e., 12.4 ha) within the existing, approved boundaries of the Site, as defined by ECA No. A110302 (as amended). (Section 9.1)	The Site Study Area includes all lands (i.e., 12.4 ha) within the existing, approved boundaries of the Site, as defined by ECA No. A110302 (as amended).	Existing Conditions, Alternative Methods	4.2 & App E
31.	The Local Study Area will include all lands and waters within a 1 km radius of the Site Study Area boundaries. (Section 9.2)	The Local Study Area includes all lands and waters within a 1 km radius of the Site Study Area boundaries.	Existing Conditions, Alternative Methods	4.2 & App E

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
32.	Each technical discipline will modify the Local Study Area as required. (Section 9.2)	Each technical discipline modified the Local Study Area as required.	Existing Conditions, Alternative Methods	4.0 & App E
33.	Within the Site Study Area and Local Study Area studies will be undertaken to identify and describe existing environmental features and conditions along with estimates of potential environmental effects. Descriptions will be based on existing databases; available studies, reports, and other relevant information; National Topographic Series; Ontario Base Mapping; Canada Land Inventory; soils mapping and Geographic Information System materials; aerial photographs; Site visits and field studies (e.g., land use surveys, biology surveys, additional boreholes, monitoring wells, and test pits). (Section 10.0)	Within the Site and Local Study Areas studies were undertaken to identify and describe existing environmental features and conditions along with estimates of potential environmental effects. Descriptions are based on existing databases; available studies, reports, and other relevant information; National Topographic Series; Ontario Base Mapping; Canada Land Inventory; soils mapping and Geographic Information System materials; aerial photographs; Site visits and field studies (e.g., land use surveys, biology surveys, additional boreholes, monitoring wells, and test pits).	Existing Conditions, Alternative Methods	4.0 & App E
34.	A more detailed description [of the existing environment], based on studies to be completed, will be provided in the EA. Similarly, environmental effects and the means by which to manage/mitigate such effects for each subject area will be determined as part of the EA and included in the EA Report. (Section 10.0)	A more detailed description of the existing environment, based on completed, is provided in the EA. Similarly, environmental effects and the means by which to manage/mitigate such effects for each subject area were determined as part of the EA and are included in the EA Report.	Existing Conditions, Alternative Methods	4.0, 5.0 & App E
35.	Studies and evaluations will be conducted within the following subject environment areas...natural, cultural, built, social and economic ('socio-economic' for the purposes of this study), as well as Aboriginal, although not specified in the <i>EA Act</i> . (Section 10.0)	Studies and evaluations were conducted within the following subject environment areas...natural, cultural, built, social and economic ('socio-economic' for the purposes of this study), as well as Aboriginal (included under 'socio-economic'), although not specified in the <i>EA Act</i> .	Existing Conditions, Alternative Methods	4.0, 5.0 & App E

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
36.	The existing air quality, odour and noise conditions at the Site and the potential effects of the alternative methods on air quality, odour and noise levels within the Site Study Area will be identified and described in the EA. (Section 10.1.1.1)	The existing air quality, odour and noise conditions at the Site and the potential effects of the alternative methods on air quality, odour and noise levels within the Site Study Area were identified and are described in the EA Report.	Existing Conditions, Alternative Methods	4.3.1., 5.3.1.1 & App E
37.	Geologic and hydrogeologic features and conditions within the Site Study Area will be identified and described in the EA to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur on groundwater. Previously completed geology and hydrogeology studies will be utilized to characterize the existing environment. (Section 10.1.1.2)	Geologic and hydrogeologic features and conditions within the Site Study Area were identified and are described in the EA Report to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur on groundwater. Previously completed geology and hydrogeology studies were utilized to characterize the existing environment.	Existing Conditions, Alternative Methods	4.3.2, 5.3.1.2 & App E
38.	Surface water features and conditions within the Site Study Area will be identified and described in the EA to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur on surface water quantity/flow rates and quality. (Section 10.1.1.3)	Surface water features and conditions within the Site Study Area were identified and are described in the EA Report to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur on surface water quantity/flow rates and quality.	Existing Conditions, Alternative Methods	4.3.3, 5.3.1.3 & App E

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
39.	Existing biological features and conditions within the Site Study Area (e.g., terrestrial and aquatic flora and fauna and ecosystems, including species at risk under the federal <i>Species at Risk Act</i> and <i>Ontario Endangered Species Act</i>) will be identified and described in the EA to provide information at a level of detail sufficient to enable the identification of potential environmental effects on those biological features and conditions. (Section 10.1.1.4)	Existing biological features and conditions within the Site Study Area (e.g., terrestrial and aquatic flora and fauna and ecosystems, including species at risk under the federal <i>Species at Risk Act</i> and <i>Ontario Endangered Species Act</i>) were identified and are described in the EA Report to provide information at a level of detail sufficient to enable the identification of potential environmental effects on those biological features and conditions.	Existing Conditions, Alternative Methods	4.3.4, 5.3.1.4 & App E
40.	Proposed design and operations, including one or more conceptual designs, supported by appropriate geotechnical information, demonstrating possible Site configurations, will be prepared as part of the EA. Potential effects of Site design and operations for the proposed undertaking will be identified and described in the EA. While most of this identification and evaluation will occur within the Site Study Area, potential effects of Site design and operations (e.g., Site access/egress, Site configuration, location of berms to mitigate potential visual and noise effects, etc.) within the Local Study Area will also be identified, illustrated on Site conceptual design plans and described. (Section 10.1.2.2)	Proposed design and operations, including one or more conceptual designs, supported by appropriate geotechnical information, demonstrating possible Site configurations, were prepared as part of the EA. Potential effects of Site design and operations for the proposed undertaking were identified and are described in the EA. While most of this identification and evaluation is within the Site Study Area, potential effects of Site design and operations (e.g., Site access/egress, Site configuration, location of berms to mitigate potential visual and noise effects, etc.) within the Local Study Area were also identified, illustrated on Site conceptual design plans and described.	Existing Conditions, Alternative Methods	4.5.4, 5.1.1 & App D
41.	Current air quality, odour and noise conditions and potential effects on air quality, odour and noise within the Local Study Area will be identified and described. (Section 10.2.1.1)	Current air quality, odour and noise conditions and potential effects on air quality, odour and noise within the Local Study Area were identified and are described in the EA Report.	Existing Conditions, Alternative Methods	4.3.1, 5.3.1.1 & App E

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
42.	Geologic and hydrogeologic features and conditions within the Local Study Area will be identified and described to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur on groundwater. Existing monitoring data will be utilized to inform the potential effects assessment. (Section 10.2.1.2)	Geologic and hydrogeologic features and conditions within the Local Study Area were identified and are described to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur on groundwater. Existing monitoring data was utilized to inform the potential effects assessment.	Existing Conditions, Alternative Methods	4.3.2, 5.3.1.2 & App E
43.	The Local Study Area geology/hydrogeology will be assessed to determine its potential for groundwater conductivity. (Section 10.2.1.2)	The Local Study Area geology/hydrogeology was assessed to determine its potential for groundwater conductivity.	Existing Conditions, Alternative Methods	4.3.2, 5.3.1.2 & App E
44.	Surface water features and conditions within the Local Study Area will be identified and described to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur on surface water quantity/flow rates and quality. (Section 10.2.1.3)	Surface water features and conditions within the Local Study Area were identified and are described in the EA Report to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur on surface water quantity/flow rates and quality.	Existing Conditions, Alternative Methods	4.3.3, 5.3.1.3 & App E
45.	Existing biological features and conditions in the Local Study Area (e.g., ecosystems and terrestrial and aquatic flora and fauna, including species at risk under the federal <i>Species at Risk Act</i> and Ontario <i>Endangered Species Act</i>) will be identified and described to provide information at a level of detail sufficient to enable the identification of potential environmental effects on those biological features and conditions. (Section 10.2.1.4)	Existing biological features and conditions in the Local Study Area (e.g., ecosystems and terrestrial and aquatic flora and fauna, including species at risk under the federal <i>Species at Risk Act</i> and Ontario <i>Endangered Species Act</i>) were identified and are described in the EA Report to provide information at a level of detail sufficient to enable the identification of potential environmental effects on those biological features and conditions.	Existing Conditions, Alternative Methods	4.3.4, 5.3.1.4 & App E

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
46.	Cultural heritage (built and landscapes) and archaeological features and conditions within the Local Study Area will be identified and described in accordance with the requirements of the <i>Ontario Heritage Act</i> and its associated regulations, policies and guidelines to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur on those heritage and archaeological features and conditions of importance to Aboriginal and non-Aboriginal communities. (Section 10.2.2.1)	Cultural heritage (built and landscapes) and archaeological features and conditions within the Local Study Area were identified and are described in the EA Report in accordance with the requirements of the <i>Ontario Heritage Act</i> and its associated regulations, policies and guidelines to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur on those heritage and archaeological features and conditions of importance to Aboriginal and non-Aboriginal communities.	Existing Conditions, Alternative Methods	4.4, 5.3.2 & App E
47.	As the frequency of truck traffic to and from the Site will change due to the proposed amendment to the Sites daily maximum rate of fill, further analysis on potential effects related to traffic will be reviewed in the EA, utilizing current data. (Section 10.2.3.1)	Further analysis on potential effects related to traffic was reviewed in the EA, utilizing current data.	Existing Conditions, Alternative Methods	4.5.1, 5.3.3.1 & App E
48.	All roads in the Local Study Area will be identified, mapped and described (e.g., including traffic volumes and patterns, safety and access/egress). The EA will also include a description of traffic accessing the Site from area roads. (Section 10.2.3.1)	All roads in the Local Study Area were identified, mapped and described (e.g., including traffic volumes and patterns, safety and access/egress). The EA Report also includes a description of traffic accessing the Site from area roads.	Existing Conditions, Alternative Methods	4.5.1, 5.3.3.1 & App E
49.	The existing and planned land use component of the EA will include a review of the undertaking in reference to the MOECC Land Use Planning Guidelines D-4. The proposed undertaking will also be reviewed in the context of the policies contained in the Provincial Policy Statement (2014) (PPS) to ensure that it has regard for, and is consistent with, the PPS. (Section 10.2.3.2)	The existing and planned land use component of the EA includes a review of the undertaking in reference to the MOECC Land Use Planning Guidelines D-4 and in the context of the policies contained in the PPS (2014).	Existing Conditions, Alternative Methods	4.5.2, 5.3.3.2 & App E

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
50.	Existing land uses (e.g., residential, industrial, commercial, institutional, public open space, etc.) within the Local Study Area will be identified, mapped and described in the EA. (Section 10.2.3.2.1)	Existing land uses (e.g., residential, industrial, commercial, institutional, public open space, etc.) within the Local Study Area were identified, mapped and described in the EA.	Existing Conditions, Alternative Methods	4.5.2, 5.3.3.2 & App E
51.	Planned land uses (e.g., development applications including Plans of Subdivision/Condominium, Consent applications, Official Plan amendment applications, Zoning By-law amendment applications) within the Local Study Area will be identified, mapped and described in the EA. (Section 10.2.3.2.2)	Planned land uses (e.g., development applications including Plans of Subdivision/Condominium, Consent applications, Official Plan amendment applications, Zoning By-law amendment applications) within the Local Study Area were identified, mapped and described in the EA.	Existing Conditions, Alternative Methods	4.5.2, 5.3.3.2 & App E
52.	Agricultural/soils and mining features, conditions and activities in the Local Study Area will be identified and described to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur. (Section 10.2.3.3)	Agricultural/soils and mining features, conditions and activities in the Local Study Area were identified and described to provide information at a level of detail sufficient to enable the identification of potential environmental effects that may be expected to occur.	Existing Conditions, Alternative Methods	4.5.3, 5.3.3.3 & App E
53.	Social conditions in the Local Study Area, including number of residences and any social and recreational facilities will be identified and described so as to determine any potential adverse effects on their access, use of property, etc. Potential effects including but not limited to, noise, air quality, odour, litter, traffic access, etc., will be identified and assessed so as to identify any appropriate measures to mitigate those potential effects. (Section 10.2.4.1)	Social conditions in the Local Study Area, including number of residences and any social and recreational facilities were identified and described so as to determine any potential adverse effects on their access, use of property, etc. Potential effects including but not limited to, noise, air quality, odour, litter, traffic access, etc., were identified and assessed so as to identify any appropriate measures to mitigate those potential effects.	Existing Conditions, Alternative Methods	4.6.2, 5.3.4 & App E
54.	Studies to determine the potential visual effects of the proposed undertaking will be carried out in the EA. (Section 10.2.4.1)	Studies to determine the potential visual effects of the proposed undertaking were carried out in the EA.	Alternative Methods	5.3.4 & App E

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
55.	Economic conditions in the Local Study Area will be identified and described so as to determine any potential adverse effects on the economic (i.e., business) aspects of human activities, including, but not limited to commercial/business operations, recreational and social facilities and activities, etc. Potential effects, including, but not limited to noise, air quality (i.e., odour), litter, traffic access, etc., will be identified and assessed so as to identify any appropriate measures to mitigate those potential effects. (Section 10.2.4.2)	Economic conditions in the Local Study Area were identified and described so as to determine any potential adverse effects on the economic (i.e., business) aspects of human activities, including, but not limited to commercial/business operations, recreational and social facilities and activities, etc. Potential effects, including, but not limited to noise, air quality (i.e., odour), litter, traffic access, etc., were identified and assessed so as to identify any appropriate measures to mitigate those potential effects.	Existing Conditions, Alternative Methods	4.6.1, 5.3.4 & App E
56.	The EA will include studies to identify potential effects on the use of lands for traditional Aboriginal purposes within the Local Study Area. (Section 10.2.5.1)	The EA will include studies to identify potential effects on the use of lands for traditional Aboriginal purposes within the Local Study Area.	Existing Conditions, Alternative Methods	4.6.3, 5.3.4 & App E
57.	Preparation of the EA will include a consultation plan based on the following principles: (a) EA consultation will be accessible and inclusive, making all reasonable efforts to ensure that potentially-affected or interested parties have full information made available to them and are given the opportunity to make their views known. (b) EA consultation will be transparent by documenting the consultation process that is carried out for the development of the EA so that the process can be understood and traced. (c) EA consultation will be responsive by providing opportunities for interested parties to comment on the EA at key stages and by ensuring that such	Preparation of the EA included a consultation plan based on the following principles: (a) EA consultation will be accessible and inclusive, making all reasonable efforts to ensure that potentially-affected or interested parties have full information made available to them and are given the opportunity to make their views known. (b) EA consultation will be transparent by documenting the consultation process that is carried out for the development of the EA so that the process can be understood and traced. (c) EA consultation will be responsive by	All Stages	6.1

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	<p>comments are addressed in the EA.</p> <p>(d) EA consultation will be meaningful by identifying how comments and concerns have been considered throughout the EA process.</p> <p>(e) EA consultation will be flexible by allowing response to new issues that emerge as the EA proceeds.</p> <p>(Section 11.2)</p>	<p>providing opportunities for interested parties to comment on the EA at key stages and by ensuring that such comments are addressed in the EA.</p> <p>(d) EA consultation will be meaningful by identifying how comments and concerns have been considered throughout the EA process.</p> <p>(e) EA consultation will be flexible by allowing response to new issues that emerge as the EA proceeds.</p>		
58.	<p>The proposed EA consultation plan will include, but not be limited to, the activities described below. The EA consultation plan described here is considered preliminary and will be finalized during the EA.</p> <ol style="list-style-type: none"> 1. Publication of a notice in the Sachem/Glanbrook Gazette announcing the approval of the ToR, commencement of the EA; posting of the notice on the Proponent's website; deposition of copies of the notice at locations accessible to the public, such as the Haldimand County office, the Cayuga public library, and the MOE Regional and District offices; and distribution by mail and/or email of the notice to members of the GRT, Aboriginal communities, PLC, individuals on the project mailing list, neighbours, and 2,069 residents within the N0A postal code. 2. Conduct of EA PLC meeting #1 to discuss the existing Site; the approved ToR; the existing environment; draft alternative methods (including evaluation criteria); potential environmental effects; the 	<p>The EA consultation plan carried out for the EA included the activities described below:</p> <ol style="list-style-type: none"> 1. Publication of a notice in the Sachem/Glanbrook Gazette on August 27, 2015 announcing the approval of the ToR, commencement of the EA; posting of the notice on the Proponent's website; deposition of copies of the notice at locations accessible to the public, such as the Haldimand County office, the Cayuga public library, and the MOECC Regional and District offices; and distribution by mail and/or email of the notice to members of the GRT, Aboriginal communities, PLC, individuals on the project mailing list, neighbours, and 1,674 residents within the N0A postal code (covering the Town of Cayuga). 2. Conduct of EA PLC meeting #1 to provide an update on the status of the EA. 	All Stages	6.2-6.10

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	<p>assessment of potential effects; the identification of mitigation measures and net effects; and the preferred alternative method.</p> <p>3. Conduct of EA GRT meeting #1 to discuss the existing Site; the approved ToR; the existing environment; draft alternative methods (including evaluation criteria); potential environmental effects; the assessment of potential effects; the identification of mitigation measures and net effects; and the preferred alternative method.</p> <p>4. Publication of a notice in the Sachem/Glanbrook Gazette announcing the date, place, time and subject matter for EA OH #1; posting of the notice on the Proponent's website; deposition of copies of the notice at locations accessible to the public, such as the Haldimand County office, the Cayuga public library, and the MOE Regional and District offices; and distribution by mail and/or email of the invitation to members of the GRT, Aboriginal communities, PLC, individuals on the project mailing list, neighbours, and 2,069 residents within the NOA postal code.</p> <p>5. Conduct of EA OH and separate Aboriginal community consultation events, if requested, at a local facility to present information on the existing environment, draft alternative methods (including evaluation criteria), potential environmental effects, the assessment of potential effects, the identification of mitigation measures and net effects, and the preferred alternative method; and to invite questions and comments on the EA. Project team members will</p>	<p>3. Conduct of EA GRT meeting #1 to discuss the existing Site; the approved ToR; the existing environment; draft alternative methods (including evaluation criteria); potential environmental effects; the assessment of potential effects; the identification of mitigation measures and net effects; and the preferred alternative method.</p> <p>4. Publication of a notice in the Sachem/Glanbrook Gazette announcing the date, place, time and subject matter for EA OH #1; posting of the notice on the Proponent's website; and distribution by mail and/or email of the invitation to members of the GRT, Aboriginal communities, PLC, individuals on the project mailing list, neighbours, and 1,674 residents within the NOA postal code (covering the Town of Cayuga).</p> <p>5. Conduct of EA OH on May 24, 2016 at the Cayuga Kinsmen Community Centre to present information on the existing environment, draft alternative methods (including evaluation criteria), potential environmental effects, the assessment of potential effects, the identification of mitigation measures and net effects, and the preferred alternative method; and to invite questions and comments on the EA. Project team members were in attendance to answer any questions pertaining to the EA.</p>		

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
	<p>be in attendance to answer any questions pertaining to the EA.</p> <p>6. Comments received from members of the public, Aboriginal communities, agencies, and other interested stakeholders throughout the EA process will be considered in preparation of the draft EA Report. Comments may be received at the EA OH or may be directed to the Proponent or its consultant at any time throughout the EA process by means of telephone, email, letter or fax.</p> <p>7. Publication of a notice in the Sachem/Glanbrook Gazette announcing that the draft EA Report has been completed and is available for review and comments; where copies of the draft EA Report are available for viewing; how public comments can be made; and the deadline for comments and who to address them to.</p> <p>8. Distribution of a similar notice by mail and/or email to members of the GRT, Aboriginal communities, PLC, individuals on the project mailing list, neighbours, and 2,069 residents within the NOA postal code.</p> <p>9. Posting of a similar notice on the Proponent's website, the Cayuga website, and a printed copy of the newspaper notice at the Municipal office for the duration of the comment period on the draft EA Report.</p> <p>10. Copies of the draft EA Report, in printed or electronic format, will be sent to several locations accessible by the public for viewing, including:</p> <ul style="list-style-type: none"> • Haldimand County office 	<p>A separate meeting with Six Nations of the Grand River First Nation is scheduled for July 21, 2016.</p> <p>6. Comments received from members of the public, Aboriginal communities, agencies, and other interested stakeholders throughout the EA process were considered in preparation of the draft EA Report. Comments were accepted at the EA OH or could be submitted directly to the Proponent or its consultant at any time throughout the EA process by means of telephone, email, letter or fax.</p> <p>7. Publication of a notice on July 21, 2016 in the Sachem/Glanbrook Gazette and the Haldimand Press announcing the completion of the Draft EA Report and availability for review and comments; where copies of the draft EA Report are available for viewing; how public comments can be made; and the deadline for comments and who to address them to.</p> <p>8. Distribution of a similar notice by mail and/or email to members of the GRT, Aboriginal communities, PLC, individuals on the project mailing list, neighbours, and 1,674 residents within the NOA postal code (covering the Town of Cayuga).</p> <p>9. Posting of a similar notice on the Proponent's website and a printed copy of the newspaper notice at the Municipal office for the duration</p>		

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	<ul style="list-style-type: none"> • Haldimand County website • Proponent's website • MOE Hamilton District office • MOE Hamilton Regional office • Aboriginal community offices, including Six Nations of the Grand River Territory, Mississaugas of New Credit First Nation, HDI, Haudenosaunee Confederacy Chiefs Council, Métis Nation of Ontario, Hamilton-Wentworth Métis Council and the Niagara Region Métis Council <p>11. All GRT agencies and Aboriginal communities identified on the contact list will receive a printed or electronic copy, based on their confirmed preference, of the draft EA Report along with an individually-addressed letter. A preliminary list of review agencies and Aboriginal communities includes: County; GRCA; NPCA; MOECC; MAA; OMAFRA; MTCS; Ministry of Education; OPP; Ministry of Infrastructure; MHLTC; MMAH; MNRF; MTO; CEAA; AANDC; EC; DFO; HC; TC; Métis Nation of Ontario (Head Office, Niagara Region Métis Council and Hamilton-Wentworth Métis Council); Six Nations of the Grand River Territory; HDI; Haudenosaunee Confederacy Chiefs Council; Mississaugas of the New Credit First Nation</p> <p>12. Comments received from members of the public, Aboriginal communities, agencies, and other interested stakeholders on the draft EA Report will be considered in preparation of the final EA Report. Comments on the draft EA Report may be directed to</p>	<p>of the comment period on the Draft EA Report.</p> <p>10. Copies of the Draft EA Report, in printed or electronic format, were sent to several locations accessible by the public for viewing, including:</p> <ul style="list-style-type: none"> • Haldimand County office • Haldimand County website • Proponent's website • MOECC Hamilton District office • MOECC Hamilton Regional office • Aboriginal community offices, including Six Nations of the Grand River Territory, Mississaugas of New Credit First Nation, HDI, Haudenosaunee Confederacy Chiefs Council, Métis Nation of Ontario, Hamilton-Wentworth Métis Council and the Niagara Region Métis Council <p>11. All GRT agencies and Aboriginal communities identified on the contact list received a printed or electronic copy, based on their confirmed preference, of the draft EA Report along with an individually-addressed letter.</p> <p>12. Comments received from members of the public, Aboriginal communities, agencies, and other interested stakeholders on the draft EA Report were considered in preparation of the final EA Report.</p> <p>13. Conduct of EA PLC meeting #2 to discuss the</p>		

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	<p>the Proponent or its consultant at any time by means of telephone, email, letter or fax within the comment period.</p> <p>13. Conduct of EA PLC meeting #2 to discuss the existing Site and draft EA Report during the draft EA Report review period.</p> <p>14. Conduct of EA GRT meeting #2 to discuss the existing Site and draft EA Report during the draft EA Report review period.</p> <p>15. After the draft EA Report comment period, the report will be revised, if and as necessary, to reflect comments and concerns identified by the public, Aboriginal communities, agencies and other interested stakeholders in order to produce the final EA Report. An updated stakeholder list (including members of the public, Aboriginal communities, agencies, and other interested stakeholders) will be prepared following completion of the initial round of consultation for the draft EA Report. This revised list will be provided to the MOE for its use in the formal EA Review.</p> <p>16. Direct in-person contact or via email, telephone, fax and/or regular post with the following Aboriginal communities and agencies to provide and invite comment on all draft documents disseminated for review, as described in this ToR:</p> <ul style="list-style-type: none"> Aboriginal communities, including the Six Nations of the Grand River Territory, Mississaugas of New Credit First Nation, HDI, Haudenosaunee 	<p>existing Site and draft EA Report during the draft EA Report review period.</p> <p>14. Conduct of EA GRT meeting #2 to discuss the existing Site and draft EA Report during the draft EA Report review period.</p> <p>15. After the draft EA Report comment period, the report was revised, as necessary, to reflect comments and concerns identified by the public, Aboriginal communities, agencies and other interested stakeholders in order to produce the final EA Report. An updated stakeholder list (including members of the public, Aboriginal communities, agencies, and other interested stakeholders) was prepared following completion of the initial round of consultation for the draft EA Report. This revised list was provided to the MOECC for its use in the formal EA Review.</p> <p>16. Direct in-person contact or via email, telephone, fax and/or regular post with the following Aboriginal communities and agencies to provide and invite comment on all draft documents disseminated for review, as described in this ToR:</p> <ul style="list-style-type: none"> Aboriginal communities, including the Six Nations of the Grand River Territory, Mississaugas of New Credit First Nation, HDI, Haudenosaunee Confederacy Chiefs Council, the Métis Nation of Ontario, the 		

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	<p>Confederacy Chiefs Council, the Métis Nation of Ontario, the Niagara Region Métis Council and the Hamilton-Wentworth Métis Council</p> <ul style="list-style-type: none"> • AANDC • MAA <p>17. Preparation of an EA 'Record of Consultation'. The Record of Consultation will include information about the EA consultation program, including copies of all letters, e-mails, faxes and other correspondence by the Proponent and its consultants sent to and received from members of the public, government agencies, other interested parties and Aboriginal communities; records of public information events, including information about the event locales and layout/programs, copies of materials provided at the events, sign-in sheets, comment sheets, news media communications, notices published, etc. The Record of Consultation will include copies of all comments, questions, issues and concerns expressed by members of the public, government agencies, other interested parties and Aboriginal communities, how those comments, questions, issues and concern were responded to by the Proponent and its consultants, and how the EA process and the draft EA Report were affected (i.e., amended or not) by those comments, questions, issues and concerns. A rationale as to why any comments, questions, issues or concerns did not result in changes to the EA process or draft EA Report will also be provided.</p>	<p>Niagara Region Métis Council and the Hamilton-Wentworth Métis Council</p> <ul style="list-style-type: none"> • AANDC • MAA <p>17. Preparation of an EA 'Record of Consultation'. The Record of Consultation includes information about the EA consultation program, including copies of all letters, e-mails, faxes and other correspondence by the Proponent and its consultants sent to and received from members of the public, government agencies, other interested parties and Aboriginal communities; records of public information events, including information about the event locales and layout/programs, copies of materials provided at the events, sign-in sheets, comment sheets, news media communications, notices published, etc. The Record of Consultation includes copies of all comments, questions, issues and concerns expressed by members of the public, government agencies, other interested parties and Aboriginal communities, how those comments, questions, issues and concern were responded to by the Proponent and its consultants, and how the EA process and the draft EA Report were affected (i.e., amended or not) by those comments, questions, issues and concerns. A rationale as to why any comments, questions, issues or concerns did</p>		

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	<p>18. A description of the consultation that was undertaken during the EA will be included in the EA Report. The description will include the following:</p> <ul style="list-style-type: none"> • A description of the consultation activities that took place • Identification of all persons consulted during the preparation of the EA, how they were notified, and how their comments and/or concerns were obtained and addressed • A description of how interested Aboriginal communities were identified and how they were consulted, and how their comments and/or concerns were obtained and addressed • A summary of the comments and concerns raised during the consultation activities and during the preparation of the EA • A description of the Proponent's response to comments and how concerns were considered in the preparation of the EA • A description of any outstanding concerns <p>(Section 11.2)</p>	<p>not result in changes to the EA process or draft EA Report will also be provided.</p> <p>18. A description of the consultation that was undertaken during the EA is included in the EA Report and includes the following:</p> <ul style="list-style-type: none"> • A description of the consultation activities that took place • Identification of all persons consulted during the preparation of the EA, how they were notified, and how their comments and/or concerns were obtained and addressed • A description of how interested Aboriginal communities were identified and how they were consulted, and how their comments and/or concerns were obtained and addressed • A summary of the comments and concerns raised during the consultation activities and during the preparation of the EA • A description of the Proponent's response to comments and how concerns were considered in the preparation of the EA • A description of any outstanding concerns 		
59.	<p>The Proponent is committed (through implementation of the EA Consultation Program) to ensuring that the proposed vertical capacity expansion resulting from this EA process is in the best interest and reflects the values</p>	<p>The Proponent is committed (through implementation of the EA Consultation Program) to ensuring that the proposed vertical capacity expansion resulting from this EA process is in the</p>	All Stages	6.10

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	<p>and priorities of the area residents, the general public, Aboriginal communities, government agencies and other interested stakeholders. The Proponent is committed to working with all interested parties to address and resolve concerns to the greatest extent possible. (Section 11.3)</p>	<p>best interest and reflects the values and priorities of the area residents, the general public, Aboriginal communities, government agencies and other interested stakeholders. The Proponent is committed to working with all interested parties to address and resolve concerns to the greatest extent possible.</p>		
60.	<p>A strategy and schedule for completing an EA Compliance Monitoring Plan will be developed and included in the EA. The EA Compliance Monitoring Plan will cover all phases of the implementation of the undertaking (e.g., planning, detailed design, tendering, construction, operation, closure and decommissioning) and will provide for an annual review and reporting to MOECC of the following key areas:</p> <ul style="list-style-type: none"> • Any conditions applied by the Minister in approving the EA undertaking. • Action on commitments made by the Proponent during preparation of the EA. The EA will include a list of specific commitments made during preparation of the EA, including, but not limited to: impact management measures (such as mitigation measures); additional works and studies to be carried out; monitoring; public consultation and contingency planning. • Documentation and correspondence. • Results of environmental effects monitoring and a comparison of those actual effects with the potential effects predicted during preparation of the EA and, 	<p>A monitoring strategy and schedule was developed and included in the EA Report for all phases of the project, including construction, operation and maintenance. The Plan includes environmental effects monitoring activities and EA compliance monitoring activities, as well as contingency measures to proactively identify measures or a process for taking action on unexpected problems resulting from landfill operations.</p>	EA Report	7.0



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	<p>where actual effects exceed predicted effects, an assessment, in consultation with MOECC, of whether additional mitigation measures may be needed.</p> <ul style="list-style-type: none"> Implementation of additional mitigation measures, as necessary. <p>(Section 13.0)</p>			
61.	<p>In addition to approval of the EA under the <i>EA Act</i>, applications will be made, as necessary, under a number of provincial statutes for approval to implement the proposed undertaking, including but not being limited to:</p> <ul style="list-style-type: none"> <i>Environmental Protection Act</i> <i>Ontario Water Resources Act</i> <i>Conservation Authorities Act</i> <i>Planning Act</i> <p>(Section 14.0)</p>	<p>In addition to EA approval, further environmental approvals will be required in support of the proposed undertaking under a number of provincial statutes, including but not limited to, the <i>Environmental Protection Act</i> and the <i>Ontario Water Resources Act</i> related to only noise and surface water.</p>	Post-EA Approval	8.0
62.	<p>During the preparation of the EA, any federal agencies that may have interests applicable to the proposed undertaking will be identified by way of consultations with relevant federal agencies and any necessary approvals under federal statutes will be identified. (Section 14.0)</p>	<p>Federal agencies that may have interests applicable to the proposed undertaking were identified and consulted during the EA.</p>	All Stages	6.2, 6.3, 6.5, 6.7, 6.10, 6.11, 6.12

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63.	While the Proponent's proposed undertaking is subject to the requirements of the <i>EA Act</i> , it is believed that the <i>Canadian Environmental Assessment Act, 2012 (CEAA 2012)</i> will not apply. Having reviewed the Regulations Designating Physical Activities under <i>CEAA 2012</i> , the proposed undertaking does not appear on the list of Activities subject to <i>CEAA 2012</i> . This will be confirmed early in the EA with the Canadian Environmental Assessment Agency. (Section 14.0)	While the Proponent's proposed undertaking is subject to the requirements of the <i>EA Act</i> , <i>CEAA 2012</i> does not apply. The proposed undertaking does not appear on the list of Activities subject to <i>CEAA 2012</i> described in the Regulations Designating Physical Activities under <i>CEAA 2012</i> as confirmed via letter dated September 1, 2015 from Anjala Puvananathan, Director Ontario Region, Canadian Environmental Assessment Agency.	EA Commencement	2.4 & 6.10
64.	A specific list of other approvals required for the undertaking will be provided in the EA. (Section 14.0)	In addition to EA approval, further environmental approvals will be required in support of the proposed undertaking under a number of provincial statutes, including but not limited to, the <i>Environmental Protection Act</i> and the <i>Ontario Water Resources Act</i> related to only noise and surface water.	EA Report	8.0
65.	If approved by the Minister of the Environment and Climate Change, this ToR will provide the framework for preparing the EA Report and will serve as a benchmark for reviewing the EA Report. (Section 15.0)	The Minister-approved ToR provided the framework for preparing the EA Report and served as a benchmark for reviewing the EA Report.	All Stages	App A
66.	The final description of the undertaking will be included in the EA Report. (Section 16.0)	The final description of the undertaking is included in the EA Report.	Purpose/ Rationale, Impact Assessment	3.1 & 5.0

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67.	The outcome of the EA, which will be carried out in accordance with the approved ToR, will include the identification of a preferred alternative method of carrying out the project. (Appendix)	The outcome of the EA, carried out in accordance with the approved ToR, includes the identification of a preferred alternative method of carrying out the project.	Alternative Methods	5.4
68.	It is proposed that the EA will be undertaken in three phases as follows: <ul style="list-style-type: none"> Phase 1 – Characterize existing environment and predict effects of the proposed alternatives Phase 2 – Identify a preferred alternative Phase 3 – Prepare and submit EA documentation (Appendix) 	The EA was undertaken in three phases as follows: <ul style="list-style-type: none"> Phase 1 – Characterize existing environment and predict effects of the proposed alternatives Phase 2 – Identify a preferred alternative Phase 3 – Prepare and submit EA documentation 	Existing Conditions, Alternative Methods, EA Report	4.0, 5.0, App D, & App E
69.	Consultation with public, agencies, Aboriginal communities and other stakeholders will be ongoing throughout the EA process. (Appendix)	Consultation with public, agencies, Aboriginal communities and other stakeholders is ongoing throughout the EA process. Consultation with stakeholders will continue during the post-EA approvals stage.	All Stages	6.0
70.	The environmental components that will be evaluated in the EA are listed in the table below: <ul style="list-style-type: none"> Atmospheric Environment Geology & Hydrogeology Surface Water Resources Terrestrial & Aquatic Environment Archaeology & Cultural Heritage Transportation Land Use Agriculture/Soils & Mining Site Design & Operations 	The environmental components that evaluated in the EA are listed in the table below: <ul style="list-style-type: none"> Atmospheric Environment (including Air Quality & Odour, Noise) Geology & Hydrogeology Surface Water Resources Terrestrial & Aquatic Environment Archaeology & Cultural Heritage Transportation Land Use Agriculture/Soils & Mining 	Existing Conditions, Alternative Method	4.0, 5.0, & App E

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
	<ul style="list-style-type: none"> Social-economic Environment Aboriginal Communities (Appendix) 	<ul style="list-style-type: none"> Site Design & Operations Social-economic Environment (including Aboriginal Communities) 		
71.	<p>Two study areas will be established for preparation of the EA: the Site Study Area and the Local Study Area. The Site Study Area will include all lands (i.e., 12.4 hectares (ha)) within the existing, approved boundaries of the Brooks Rd. landfill Site (Site), as defined by Environmental Compliance Approval (ECA) No. A110302, dated May 5, 2004, as amended. The Local Study Area will include all lands and waters within a 1 km radius of the Site Study Area boundaries. It should be noted that this is a generic delineation of the Local Study Area that may be modified during the EA to suit the particular requirements of each environmental component. Each technical discipline may modify the Local Study Area, as required, during the EA. (Appendix)</p>	<p>Two study areas were established for preparation of the EA: the Site Study Area and the Local Study Area. The Site Study Area will include all lands (i.e., 12.4 hectares (ha)) within the existing, approved boundaries of the Brooks Rd. landfill Site (Site), as defined by Environmental Compliance Approval (ECA) No. A110302, dated July 21, 2014, as amended. The Local Study Area includes all lands and waters within a 1 km radius of the Site Study Area boundaries. It should be noted that this is a generic delineation of the Local Study Area that was modified during the EA to suit the particular requirements of each environmental component. Each technical discipline modified the Local Study Area, as required, during the EA.</p>	Existing Conditions, Alternative Methods	4.2, & App E
72.	<p>The EA will consider potential effects on the environment associated with the following timeframes:</p> <ul style="list-style-type: none"> Operation (5 to 7 years) Closure/Post-closure (Appendix) 	<p>The EA considered potential effects on the environment associated with operation (5 to 7 years) and closure/post-closure.</p>	Alternative Methods, Impact Assessment	5.0 & App E
73.	<p>Early in the EA process, a reasonable number of alternative vertical capacity expansion configurations within the footprint of the existing Brooks Rd. Landfill will be developed by the project team in consultation with the public, Aboriginal communities, agencies, and other interested stakeholders. The vertical capacity expansion will provide approximately 421,000 cubic metres (m³) of</p>	<p>Three alternative vertical capacity expansion configurations within the footprint of the existing Brooks Road Landfill were developed by the project team in consultation with the public, Aboriginal communities, agencies, and other interested stakeholders early in the EA process. The vertical capacity expansion will provide</p>	Existing Conditions, Alternative Methods	4.5.4, 5.1, & App D

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	<p>air space and will be designed to meet all applicable MOECC requirements. During the EA, the project team will describe each vertical capacity expansion alternative and any associated facilities (i.e., stormwater management ponds) to a sufficient level of detail (i.e., conceptual designs) to allow for their assessment by technical discipline leads for further analysis. The characteristics of the existing and proposed site design and engineering requirements, including in-design mitigation measures, can affect the environment. These potential effects will be assessed in the EA. (Appendix)</p>	<p>approximately 421,000 m³ of air space and will be designed to meet all applicable MOECC requirements. During the EA, the project team described each vertical capacity expansion alternative to a sufficient level of detail (i.e., conceptual designs) to allow for their assessment by technical discipline leads for further analysis. The characteristics of the existing and proposed site design and engineering requirements, including in-design mitigation measures, can affect the environment. These potential effects were assessed in the EA.</p>		
74.	<p>The project team will collect information and conduct studies (desktop and field) to describe components of the existing environment identified in the ToR that may be affected by the undertaking. This will be done for each of the alternative methods identified in Task 1. (Appendix)</p>	<p>The project team collected information and conducted studies (desktop and field) to describe components of the existing environment identified in the ToR that may be affected by the undertaking. This was done for each of the alternative methods.</p>	Existing Conditions	4.0 & App E
75.	<p>Following identification of a reasonable number of alternatives in Task 1 and the characterization of the existing environmental conditions in Task 2, the project team will conduct a preliminary assessment of potential effects. Potential mitigation measures to be incorporated into the conceptual design of the vertical capacity expansion alternatives will also be developed. The project team will then finalize the conceptual design report (CDR), updating the conceptual designs, including in-design mitigation measures. (Appendix)</p>	<p>The project team conducted an assessment of potential effects. Potential mitigation measures to be incorporated into the conceptual design of the vertical capacity expansion alternatives were also developed. The project team then finalized the CDR, updating the conceptual designs, including in-design mitigation measures.</p>	Alternative Methods	5.3, 5.4, 5.7, App D & App E

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76.	<p>In this final Phase 1 task, the project team will predict the effects of each alternative, including in-design mitigation measures determined in Task 3, on the environment. The assessment will be done for each environmental component based on the existing environmental conditions determined in Task 2 and the conceptual designs for each vertical expansion alternative. (Appendix)</p>	<p>The project team predicted the effects of each alternative, including in-design mitigation measures on the environment. The assessment was done for each environmental component based on the existing environmental conditions and the conceptual designs for each vertical expansion alternative</p>	Alternative Methods	5.3, 5.4, 5.7, App D & App E
77.	<p>The project team will identify linkages (i.e., direct or indirect effect of the undertaking on an environmental component via another component, such as groundwater discharge to surface water). Prediction of future environmental conditions associated with each alternative landfill footprint will be undertaken by each technical discipline lead using modelling and other methods. Assessment of potential effects will be done using appropriate objectives, standards, policies and legislation. Further mitigation measures, beyond those already incorporated into the conceptual designs of the alternatives, if required, will be identified and refined as necessary. The project team will update and revise the conceptual design plans for the vertical capacity expansion alternatives accordingly. The final conceptual designs will be documented in the EA Report. Any predicted effects remaining following application of these final mitigation measures, or "net effects", will be documented in the EA Report. (Appendix)</p>	<p>The project team identified linkages (i.e., direct or indirect effect of the undertaking on an environmental component via another component, such as groundwater discharge to surface water). Prediction of future environmental conditions associated with each alternative landfill footprint was undertaken by each technical discipline lead using modelling and other methods. Assessment of potential effects was done using appropriate objectives, standards, policies and legislation. Further mitigation measures, beyond those already incorporated into the conceptual designs of the alternatives, if required, were identified and refined as necessary. The project team updated and revised the conceptual design plans for the vertical capacity expansion alternatives accordingly and documented them in the EA Report. Any predicted effects remaining following application of these final mitigation measures, or "net effects", were documented in the EA Report.</p>	Alternative Methods	5.3, 5.4, 5.7, App D & App E

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
78.	<p>Following completion of Task 5, the net effects for each vertical capacity expansion alternative will be comparatively evaluated using a Reasoned Argument (or Trade-off) method as a means of selecting the Preferred Alternative Method. Application of this assessment method will be based on identifying the advantages and disadvantages of each alternative and using them to establish preferences among the alternatives. Each alternative will be compared using the criteria, indicators and data sources presented in the ToR. This analysis will be undertaken by the project team. The information generated through the comparison of the alternative methods will be summarized in a series of tables and documented in the EA Report. (Appendix)</p>	<p>The net effects for each vertical capacity expansion alternative were comparatively evaluated using a Reasoned Argument (or Trade-off) method as a means of selecting the Preferred Alternative Method. Application of this assessment method was based on identifying the advantages and disadvantages of each alternative and using them to establish preferences among the alternatives. Each alternative was compared using the criteria, indicators and data sources presented in the ToR. This analysis was undertaken by the project team. The information generated through the comparison of the alternative methods is summarized in a series of tables and documented in the EA Report.</p>	Alternative Methods	5.4 & App E
79.	<p>In this task, the advantages and disadvantages of each alternative will be described based on the comparative evaluation. The outcome of this ranking exercise will be the identification of a preferred alternative. A comprehensive impact assessment of the preferred alternative will be completed to determine the net effects that will be caused, or that might reasonably be caused, on the environment (i.e., the advantages and disadvantages to the environment). This includes consideration of any mitigation that might be necessary to reduce or eliminate impacts, and the appropriate monitoring, contingency and impact management plans. (Appendix)</p>	<p>The advantages and disadvantages of each alternative are described based on the comparative evaluation. The outcome of this ranking exercise was the identification of a preferred alternative (Vertical Expansion Alternative 2 and Leachate Treatment Alternative 2). A comprehensive impact assessment of the preferred alternative was completed to determine the net effects that will be caused, or that might reasonably be caused, on the environment (i.e., the advantages and disadvantages to the environment). This includes consideration of any mitigation that might be necessary to reduce or eliminate impacts, and the appropriate monitoring, contingency and impact</p>	Alternative Methods	5.4, 5.6, 5.7, 5.8, 5.9 & App E

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
		management plans.		
80.	<p>The third and final phase of the EA will be the preparation and submission of the EA documentation and will include the following three tasks:</p> <ul style="list-style-type: none"> • Task 8 – Prepare EA Documentation • Task 9 – Submit Draft EA Report for Comment • Task 10 – Revise & Submit Final EA Report to the MOECC <p>The EA Report will be based on the results of the individual technical discipline studies and the consultation plan, the full documentation of which will be included as supporting documents to the EA Report. (Appendix)</p>	<p>The third and final phase of the EA is the preparation and submission of the EA documentation and includes the following three tasks:</p> <ul style="list-style-type: none"> • Task 8 – Prepare EA Documentation • Task 9 – Submit Draft EA Report for Comment • Task 10 – Revise & Submit Final EA Report to the MOECC <p>The EA Report is based on the results of the individual technical discipline studies and the consultation plan, the full documentation of which is included as appendices and a supporting document to the EA Report.</p>	EA Report	All
81.	<p>All key information and findings from the technical discipline studies and consultation reports will be included in the EA Report. Meetings and telephone calls with the MOECC and key agencies will take place throughout the preparation of the EA Report to discuss technical discipline studies and findings. Input and comments received from the public, Aboriginal communities, government agencies, municipal officials, and other stakeholders throughout the EA process will be considered in the preparation of the EA Report. (Appendix)</p>	<p>All key information and findings from the technical discipline studies and consultation reports is included in the EA Report. Meetings and telephone calls with the MOECC and key agencies took place throughout the preparation of the EA Report to discuss technical discipline studies and findings. Input and comments received from the public, Aboriginal communities, government agencies, municipal officials, and other stakeholders throughout the EA process was considered in the preparation of the EA Report.</p>	EA Report	All

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
82.	<p>A complete draft of the EA Report will be distributed to the MOECC, members of the GRT, and Aboriginal communities for review and comment. Hard copies of the draft EA Report will be made available for review at various locations accessible to the public and will also be posted on the project website. Comments received during the draft EA Report comment period will be compiled by the project team and considered in the finalization of the Report. (Appendix)</p>	<p>A complete draft of the EA Report was distributed to the MOECC, members of the GRT, and Aboriginal communities for review and comment. Hard copies of the draft EA Report were made available for review at various locations accessible to the public and were also be posted on the project website. Comments received during the draft EA Report comment period were compiled by the project team and considered in the finalization of the EA Report.</p>	EA Report	6.11
83.	<p>The EA Report will be finalized, taking into consideration all comments received on the draft EA Report, and submitted to the MOECC. The EA Report will also be distributed to the GRT and Aboriginal communities; hard copies will be made available for review at various locations accessible to the public; and the complete report will be posted on the project website. Throughout the MOECC review period, the project team will be available to provide technical support, as required. This will include answering questions and comments received and documenting responses. It is anticipated that comments and responses will be presented in a separate report. (Appendix)</p>	<p>The EA Report was finalized, taking into consideration all comments received on the draft EA Report, and submitted to the MOECC. The EA Report was also distributed to the GRT and Aboriginal communities; hard copies were made available for review at various locations accessible to the public; and the complete report was posted on the project website. Throughout the MOECC review period, the project team will be available to provide technical support, as required. This will include answering questions and comments received and documenting responses. It is anticipated that comments and responses will be presented in a separate report.</p>	EA Report	6.12

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
84.	EA OH will present information on the existing environment, draft alternative methods (including evaluation criteria), potential environmental effects, the assessment of potential effects, the identification of mitigation measures and net effects, and the preferred alternative method. (Appendix)	EA OH #1 presented information on the existing environment, draft alternative methods (including evaluation criteria), potential environmental effects, the assessment of potential effects, the identification of mitigation measures and net effects, and the preferred alternative method.	Alternative Methods	6.7
85.	The following Aboriginal communities were contacted during the ToR and will be invited to participate in the EA: <ul style="list-style-type: none"> • Métis Nation of Ontario (Head Office, Niagara Region Métis Council and Hamilton-Wentworth Métis Council) • Six Nations of the Grand River Territory • Haudenosaunee Development Institute (HDI) • Haudenosaunee Confederacy Chiefs Council • Mississaugas of the New Credit First Nation (Appendix) 	The following Aboriginal communities were invited to participate in the EA: <ul style="list-style-type: none"> • Métis Nation of Ontario (Head Office, Niagara Region Métis Council and Hamilton-Wentworth Métis Council) • Six Nations of the Grand River Territory • Haudenosaunee Development Institute • Haudenosaunee Confederacy Chiefs Council • Mississaugas of the New Credit First Nation 	All Stages	6.8
86.	Consultation activities with Aboriginal communities will include the following: <ul style="list-style-type: none"> • Letters and emails inviting participation in public consultation events (i.e., OH), soliciting input and comments on EA documentation, and providing updates on the EA process • Meetings to be held at the request of Aboriginal communities to engage them and obtain feedback on their specific interests and concerns (Appendix) 	Consultation activities with Aboriginal communities included the following: <ul style="list-style-type: none"> • Letters and emails inviting participation in public consultation events (i.e., OH), soliciting input and comments on EA documentation, and providing updates on the EA process • Meetings held at the request of Aboriginal communities to engage them and obtain feedback on their specific interests and concerns 	All Stages	6.8

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
87.	<p>Consultation activities with the PLC during the EA process will include the following:</p> <ul style="list-style-type: none"> Letters inviting participation in public consultation events (i.e., OH), soliciting input and comments on EA documentation, and providing updates on the EA process Holding PLC EA Meeting #1 and PLC EA Meeting #2 following the OH (Appendix) 	<p>Consultation activities with the PLC during the EA process included the following:</p> <ul style="list-style-type: none"> Letters inviting participation in public consultation events (i.e., OH), soliciting input and comments on EA documentation, and providing updates on the EA process Holding PLC EA Meeting #1, Meeting #2, and Meeting 3 	All Stages	6.9
88.	<p>The public stakeholder list established and expanded upon during the ToR will form the basis of the public stakeholder list for the EA. When possible, information on the project and consultation invitations will be sent via email to members of the public stakeholder list. For individuals on the list for whom there is no email on file, letters will be posted instead. (Appendix)</p>	<p>The public stakeholder list established and expanded upon during the ToR formed the basis of the public stakeholder list for the EA. When possible, information on the project and consultation invitations was sent via email to members of the public stakeholder list. For individuals on the list for whom there was no email on file, letters were posted instead.</p>	All Stages	6.2, 6.3, 6.5, 6.7
89.	<p>The project website was established during the ToR to provide clear and accurate information to stakeholders as well as opportunities for participants to provide feedback. All public notices and EA material for review will be posted on the project website. (Appendix)</p>	<p>The project website was established during the ToR to provide clear and accurate information to stakeholders as well as opportunities for participants to provide feedback. All public notices and EA material for review were posted on the project website.</p>	All Stages	6.4
90.	<p>A GRT was established and expanded upon during the ToR and will form the basis for the GRT for the EA. It is anticipated that two full GRT meetings (i.e., teleconferences) will be held during the EA, prior to and following the OH, and that meetings with individual agencies may also be required at various stages of the EA. (Appendix)</p>	<p>A GRT was established and expanded upon during the ToR and formed the basis for the GRT for the EA. One GRT meeting was held following OH #1 and another following issuance of the Draft EA Report review period. Both meetings were held via teleconferences.</p>	All Stages	6.6

No.	Terms of Reference Commitment	How the Commitment was Addressed in the EA	EA Stage at which the Commitment was Addressed	EA Report Section
91.	Brooks Road Environmental will continue to engage and work with appropriate agencies that form part of the GRT during the EA. (Errata Letter)	Brooks Road Environmental continues to engage and work with appropriate agencies that form part of the GRT during the EA. Consultation will continue with relevant agencies during the post-EA approvals stage.	All Stages	6.6, 6.7, 6.10, 6.11, 6.12, 6.13
92.	The EA will consider potential effects on the environment associated with the following timeframes: <ul style="list-style-type: none"> Construction/Operation (5 to 7 years) Closure/Post-closure. (Errata Letter) 	The EA considered potential effects on the environment associated with operation (5 to 7 years) and closure/post-closure.	Alternative Methods, Impact Assessment	5.0, 5.7.1.9 (closure) & App E
93.	An assessment of leachate treatment alternatives will be assessed in the EA. (Errata Letter)	An assessment of leachate treatment alternatives is included in the EA Report.	Alternative Methods, Impact Assessment	5.6 & App D
94.	If the Ministry requests that the EA address climate change, Brooks Road Environmental will comply as part of the EA (i.e., incorporating Climate Change Adaptation measures within the evaluation of alternative methods). (Errata Letter)	A discussion on climate change considerations is included in the EA Report.	Impact Assessment	5.8.2
95.	As a part of the EA the landfill gas production/emissions will be reviewed and will be complied as part of the Air study. From this, further commentary on a landfill gas collection system will be provided. (Errata Letter)	A discussion on landfill gas production/ emission is included in the EA Report.	Impact Assessment	5.1.1.6