



BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Appendix A

Screening Criteria Checklist

Might the project....

Criterion		Yes	No	Additional Information
1. Surface and Ground Water				
1.1	cause negative effects on surface water quality, quantities or flow?	X		There is a ditch that runs around the existing landfill site. It appears to flow off-site, eventually discharging to Jebb's Creek. The ditch may need to be re-aligned. No change anticipated to water quality, quantity or flow.
1.2	cause negative effects on ground water quality, quantity or movement?	X		Additional waste (mass and footprint) at the site could create more (quantity) or stronger (quality) leachate that negatively affects the ground water.
1.3	cause significant sedimentation or soil erosion or shoreline or riverbank erosion on or off site?	X		Potential re-alignment of the ditch could result in erosion or sedimentation. If re-alignment is needed mitigation measures would be in place to minimize any off-site impacts
1.4	cause negative effects on surface or ground water from accidental spills or releases (e.g., leachate) to the environment?	X		Leachate may infiltrate and negatively affect the ground water. Leachate seeps may impact surface water.
2. Land				
2.1	cause negative effects on residential, commercial, institutional or other sensitive land uses within 500 metres from the site boundary?	X		There are a small number of residential properties on Arnold Drive and Rideau Ferry Road which are within 500m of the site study area. The final site boundary will be determined through the environmental screening process.
2.2	not be consistent with the Provincial Policy Statement, provincial land use or resource management plans?		X	No, the expansion will be in line with the Provincial Policy Statement, land use and resource management plans.
2.3	be inconsistent with municipal land use policies, plans and zoning bylaws (including municipal setbacks)?		X	Lands adjacent to the landfill property, owned by the municipality, could be used to support landfill development (i.e., ancillary facilities such as access roads, surface water management features or for site buffer areas). These adjacent lands are currently zoned Industrial. The municipality has had land use restrictions within 500 metres of the landfill site for many years. The area zoned for "Industrial" use is compatible with MOECC land use policy requirements.
2.4	use lands not zoned as industrial, heavy industrial or waste disposal?		X	No, all land proposed to be utilized for the expansion is zoned as waste management facility or industrial.
2.5	use hazard lands or unstable lands subject to erosion?		X	The expansion is not proposed to utilize hazard or unstable lands.

Criterion		Yes	No	Additional Information
2.6	cause negative effects related to the remediation of contaminated land?		X	The expansion will not take place on lands that are contaminated.
3. Air and Noise				
3.1	cause negative effects on air quality due to emissions (for parameters such as temperature, thermal treatment exhaust flue gas volume, nitrogen dioxide, sulphur dioxide, residual oxygen, opacity, hydrogen chloride, suspended particulates, or other contaminants)?		X	Burning of the waste is not permitted, therefore negative effects to air quality items noted will not occur.
3.2	cause negative effects from the emission of greenhouse gases (e.g., carbon dioxide, carbon monoxide, methane)?	X		Waste decomposition will result in landfill gas emissions (primarily methane and carbon dioxide) to the atmosphere. Landfill gas emissions are anticipated to be small as the Town operates an approved organics composting facility, substantially reducing greenhouse gas production that may have otherwise contributed negative effects.
3.3	cause negative effects from the emission of dust or odour?	X		Dust may be created as a result of vehicular travel along unpaved roads. Odour emissions are possible if the correct operational control measures are not put in place, such as applying cover material. Some increase in dust could occur for a short period during construction of any new landfill cell areas. However, no increase from current routine operations is expected.
3.4	cause negative effects from the emission of noise?	X		There will be some noise from the use of equipment onsite. Some increase in noise could occur for a short period during construction of any new landfill cell areas. However, no increase from current routine operations is expected. Work would only occur during regular work hours.
3.5	cause light pollution from trucks or other operational activities at the site?		X	The operational hours of the landfill will result in limited or no use of lights. It is not expected that light pollution will be an issue.
4. Natural Environment				
4.1	cause negative effects on rare (vulnerable), threatened or endangered species of flora or fauna or their habitat?	X		There is potential for endangered, threatened and species of special concern to reside in the area of proposed expansion. Requirements, if any, under the <i>Endangered Species Act</i> will be met.
4.2	cause negative effects on protected natural areas such as, ANSIs, ESAs or other significant natural areas?		X	There are no significant natural areas in proposed expansion area.

Criterion		Yes	No	Additional Information
4.3	cause negative effects on designated wetlands?		X	There are 3 provincially significant wetlands in the Town of Perth (Grant Creek Wetland, Blueberry Marsh and Perth Long Swamp). The wetlands are not in the vicinity of the proposed expansion, therefore no impacts are expected. There are unevaluated wetlands onsite.
4.4	cause negative effects on wildlife habitat, populations, corridors or movement?	X		There are records of wildlife and potential habitats onsite. There is potential that these could be affected by land clearing for the expansion.
4.5	cause negative effects on fish or their habitat, spawning, movement or environmental conditions (e.g., water temperature, turbidity, etc.)?	X		It is currently unknown whether the ditch around the existing landfill provides fish habitat.
4.6	cause negative effects on locally important or valued ecosystems or vegetation?	X		There are unique alvar communities on the landfill property and lands adjacent to it.
4.7	increase bird hazards within the area that could impact surrounding land uses (e.g., airports)?		X	The proposed expansion could result in a minor increase in the bird population in the area, however the small increase in bird numbers is not expected to impact the surrounding land uses. There are no airports in the vicinity.
5. Resources				
5.1	result in practices inconsistent with waste studies and/or waste diversion targets (e.g., result in final disposal of materials subject to diversion programs)?		X	Diversion and separation of wastes occurs at the source. An approved compost facility operates at the site and will continue to operate, during and after, the site expansion. Diversion of other wastes is not expected to change in the short-term but efforts continue to encourage improvements in the long-term.
5.2	result in generation of energy that cannot be captured and utilized?		X	The landfill will produce small amounts of methane which could potentially be captured and harnessed for energy production (methane as fuel). However, due to the anticipated small quantities such use is unlikely to be economically feasible.
5.3	be located a distance from required infrastructure (such as availability to customers, markets and other factors)?		X	The landfill is located in the south portion of the Town of Perth. The location is close enough to be accessible to all residents of the Town and provides critical infrastructure to the residents and businesses located in the Town.
5.4	cause negative effects on the use of Canada Land Inventory Class 1–3, specialty crop or locally significant agricultural lands?		X	Portions of the Study Area are classified as Canada Land Inventory Class 1-3. However, these lands are identified as Industrial in the Town's official plan and are not protected for long-term Agricultural use..

Criterion		Yes	No	Additional Information
5.5	cause negative effects on existing agricultural production?		X	A small portion of the Study Area is currently in hay production. These lands are owned by the Town and are zoned Industrial. They are not protected for long-term Agricultural use.
6. Socio-economic				
6.1	cause negative effects on neighbourhood or community character?	X		There are a small number of houses on Arnold Drive and Rideau Ferry Road which have a limited view of the landfill which could impact the neighbourhood or community character.
6.2	result in aesthetics impacts (e.g., visual and litter impacts)?	X		There are a small number of houses on Arnold Drive and Rideau Ferry Road which have a limited view of the landfill.
6.3	cause negative effects on local businesses, institutions or public facilities?		X	The landfill will not negatively impact the local businesses, institutions or public facilities. Some landowners have expressed concern about property values from a potential site expansion. The key issue impacting land use and value are the current land use zoning restrictions. The land use restrictions around the existing site have been in place for many years and are not expected to change for this site small expansion. Not expanding the landfill site is far more likely to cause negative effects on local businesses, institutions or public facilities.
6.4	cause negative effects on recreation, cottaging or tourism?		X	The landfill will not negatively affect recreation, tourism or cottaging. The landfill will provide residents and seasonal residents a place to dispose of waste.
6.5	cause negative effects related to increases in the demands on community services and infrastructure?		X	The proposed expansion does not require any additional community services or infrastructure. The site expansion will actually enhances community services and allow more fulsome use of existing infrastructure.
6.6	cause negative effects on the economic base of a municipality or community?		X	The expansion will not negatively impact the economy of the municipality. Monies spent to expand the landfill will be made back through taxes and fees charged to utilize the landfill. The Town believes that this landfill facility actually enhances its ability to retain and attract businesses, jobs and improves the economic base of the community.

Criterion		Yes	No	Additional Information
6.7	cause negative effects on local employment and labour supply?		X	The expansion will positively impact employment for a short period of time during construction and after through the provision on much needed community waste management service
6.8	cause negative effects related to traffic?		X	It is expected that traffic to the landfill and through the Town will remain constant with existing conditions after the expansion is completed.
6.9	be located within 8 km of an aerodrome/airport reference point?		X	No, the closest airports (Smiths Falls Airport, Carleton Place Airport and Westport/Rideau Lakes Airport) are all at least 27km away.
6.10	interfere with flight paths due to the construction of facilities with height (i.e., stacks)?		X	The closest airports are 27km away which is far enough to ensure the expansion will not interfere with flight paths.
6.11	cause negative effects on public health and safety?		X	Operation of the landfill will continued to be governed by its record of good management and the applicable regulations which ensure there are no negative effects to public health or safety.
7. Heritage and Culture				
7.1	cause negative effects on heritage buildings, structures or sites, archaeological sites or areas of archaeological importance, or cultural heritage landscapes?	X		The cultural heritage district in the Town of Perth is not located within the vicinity of the landfill. According to the Official Plan, there are no known archaeological sites within the Town. Additional work will be undertaken as part of this study to confirm.
7.2	cause negative effects on scenic or aesthetically pleasing landscapes or views?	X		The landfill is surrounded by lands zoned for industrial use or that have land use restrictions, therefore there will not be a negative effect on to the cultural aesthetics of the areas surrounding the landfill. There are a small number of houses on Arnold Drive and Rideau Ferry Road which may have a view of the landfill. The site is surrounded by a forested area and sight lines into the fill area are very restricted.
8. Aboriginal				
8.1	cause negative effects on land, resources, traditional activities or other interests of Aboriginal communities?	X		No impacts are expected. Consultation will take place to confirm. Earlier formal communications with Aboriginal communities which might have an interest in the site's expansion yielded no response.
9. Other				
9.1	result in the creation of non-hazardous waste materials requiring disposal?	X		Waste will be produced as a result of clearing for the expansion of the landfill. The majority of the waste will be able to be utilized or composted.

Criterion		Yes	No	Additional Information
9.2	result in the creation of hazardous waste materials requiring disposal?		X	Hazardous waste will not be created as a result of the expansion.
9.3	cause any other negative environmental effects not covered by the criteria outlined above?		X	Not applicable.