



RUBY ROAD WASTE DISPOSAL SITE CAPACITY EXPANSION ENVIRONMENTAL SCREENING



PROPOSED DESIGN AND OPERATIONS

- ▶ Proposed expansion of 100,000 cubic metres (m³)
- ▶ Acceptance of non-hazardous waste only
- ▶ 2.5 hectares (ha) of waste disposal area within an operational area (including buffer) of 6.8 ha on a 32.8 ha property
- ▶ Access to the active waste disposal face will be separate from the public waste receiving area
- ▶ Waste to be accepted at the current transfer station (waste receiving area) and transferred to the active face for disposal
- ▶ Additional tree cover to be planted to the north near Ruby Road and to the south of the active mound
- ▶ The active waste disposal area has been proposed to be placed on the west side of the lot in an area that is bordered on the south and north sides by relatively elevated areas and on the east by trees
- ▶ It is proposed that the waste mound will be filled in two cells comprised of two lifts each over a period of not less than 25 years and will reach a maximum final height of approximately 8 metres above the original ground

GENERAL MITIGATIVE AND IMPROVEMENT MEASURES TO BE EMPLOYED

- ▶ Renovations to the current transfer station
- ▶ Bear fence around the active waste disposal area
- ▶ Drainage swales around the waste disposal area with low lying surface water collection areas on site
- ▶ Portable litter control fences and housekeeping to collect litter around the site
- ▶ Maintenance of active working face to practical minimal area
- ▶ Immediate cover of lightweight waste
- ▶ Improvements to control of authorized vehicles and disposal of acceptable wastes

1.866.217.7900
www.cambium-env.com

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RESULTS OF STUDIES COMPLETED TO DATE

- ▶ **Initial Environmental Impact Study (May 2008):** Results indicated no significant features identified, recommended further supplementary studies including breeding bird survey, vascular plant survey, species at risk, and fish habitat assessment.
- ▶ **Stage 1 and 2 Archaeological Assessment (May 2008):** Results indicated future development in the proposed project area will not impact any existing buildings, cemeteries, or other standing sites of historical or architectural significance, no artifacts were uncovered, and there are no significant archaeological concerns associated with this project.
- ▶ **Noise Impact Assessment (October 2008):** Sound levels were measured from machinery expected to be utilized at the site and the noise levels generated were projected, using a worst case model, to residences in the area. The results showed that all potential receptors would experience noise levels at values less than established Ministry of the Environment unacceptable threshold values.
- ▶ **Hydrogeological Investigations (October 2008):** Leachate concentration calculations indicate that the concentrations of typical leachate indicator parameters are not expected to exceed the Reasonable Use Concept (RUC) at the property boundary. A detailed hydrogeological study has been completed, which includes groundwater modeling using numerical computer modeling software. The contaminant plumes simulated have indicated that the predicted plume concentrations will not pass the property limit at values greater than the RUC limits prescribed by the Ontario Ministry of the Environment.
- ▶ **Supplemental Environmental Impact Studies (November 2008):** Results to date indicate no threatened or endangered species or other significant species were observed, no aquatic vegetation or fish were observed; hence no impact concern.

Thank you for participating in this project. Please check the Township Office and/or Township's website (www.bonnecherevalleytwp.com) for future updates on this project. Consultation is a key component to the process, so please fill out a questionnaire to provide feedback, comments, or concerns.

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