



BACKGROUND

The development of waste management operations has been an ongoing undertaking of Council for many years in the Township of Bonnechere Valley. Much of the study, research and discussion that have reviewed the available options and associated costs determined it was necessary to pursue a solution to meet the Township's long-term waste management requirements. In approximately 4 years, the existing waste disposal capacity within the Township will be exhausted. A summary of the recent Township waste management planning activities is provided below as a cursory overview of the municipality's efforts to develop a long-term waste management solution.

2004

- ▶ Township undertakes a review of a variety of waste management options including: use of private waste contractors, a new waste disposal site location, waste diversion methods, and the Ottawa Valley Waste Recovery Centre (OVWRC).
- ▶ Councillors revisit a 2002 consultant's report providing a cost comparison of waste management practices for the Township.
- ▶ Township staff work with the Waste Management Committee to prepare background information for future waste management planning.
- ▶ Council directs staff to review the cost of participation with the OVWRC versus the costs of expanding an existing site (or sites) and costs of establishing a new waste disposal site.
- ▶ Council discusses the possibility of the necessary land acquisitions in regards to waste management.

2005

- ▶ Presentation to Council by Township staff about costs of waste management; includes review of the common issues of waste management faced by other municipalities and discusses methods to minimize costs.
- ▶ Waste Management Committee reviews status of Township waste management and the need for an Environmental Assessment (EA) to formally progress towards solution.
- ▶ Council recognizes that an acquisition of property is necessary to expand any existing landfill.

2006

- ▶ Township council instructs consultants to proceed with preparations for Waste Management Plan EA.
- ▶ Pre-consultation meeting held with the Ministry of the Environment (MOE) to discuss the details of the EA.
- ▶ Council authorizes the commencement of the EA.

2007

- ▶ The Township of Bonnechere Valley formally commences the Waste Management Strategic Plan EA to evaluate the alternatives available based on technical, economical, and public opinion criteria.
- ▶ A draft Terms of Reference (ToR) document for the Waste Management Strategic Plan EA is completed.
- ▶ Ontario Regulation 101/07 (O.Reg. 101/07) emerges under the Environmental Assessment Act (EAA) directed partially at small, rural waste disposal sites whereby select waste projects are deemed exempt from a full EA if the Environmental Screening Process (ESP) is completed.
- ▶ A thorough review of pertinent data, annual monitoring reports, and other information associated with the Township is conducted; O.Reg. 101/07 is examined with respect to each of the existing waste disposal sites within the Township were to determine if an Environmental Screening is appropriate.
- ▶ Council authorizes the transition from the Waste Management Plan EA to an Environmental Screening of a Capacity Expansion at the Ruby Road Waste Disposal Site.



1.866.217.7900
www.cambium-env.com

**RUBY ROAD WASTE DISPOSAL SITE CAPACITY
EXPANSION ENVIRONMENTAL SCREENING PROCESS**



RUBY ROAD WASTE DISPOSAL SITE CAPACITY EXPANSION ENVIRONMENTAL SCREENING

The Ruby Road WDS capacity expansion being assessed will not exceed 100,000 m³ as prescribed by O.Reg 101/07. The capacity expansion is expected to contribute at least 25 years of solid, non-hazardous, waste disposal capacity for the benefit of the residents of the Township of Bonnechere Valley. The total capacity of the Ruby Road WDS, as it currently exists and even after the proposed expansion, classifies it as a small waste disposal site. This small operation will receive waste at a relatively slow rate (less than 1% of the rate of fill of that which is classified as a “mega” landfilling operation), which is consistent with the demands of the small population that it will serve.

Completion of the of the Environmental Screening will provide an objective, scientific, and comprehensive documentation of the assessment process which will have determined whether or not the capacity expansion of the Ruby Road WDS can be completed safely. Based on the results of the Environmental Screening, the Township may then have the option to pursue an application to the Ontario Ministry of the Environment for an approval of a capacity expansion at the Ruby Road WDS. It is also entirely possible that during the Environmental Screening, one or more of the potential environmental effects will be recognized as an insurmountable barrier to the capacity expansion at which point the screening project could be terminated.

ENVIRONMENTAL SCREENING PROJECT OVERVIEW

- ▶ Consultation events (public, government, and other interested stakeholders) throughout the project.
- ▶ Completion of screening criteria checklist to identify potential environmental effects (2007/2008).
- ▶ Detailed work plan and field studies (2008).
- ▶ Data assessment, compilation, and evaluation of net effects (late 2008).
- ▶ Preparation of Environmental Screening Report and supporting documents (2009).

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.
- ▶ **Supplemental Environmental Impact studies (on-going):** results to date indicate no threatened or endangered species or other significant species were observed, no aquatic vegetation or fish were observed.
- ▶ **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.
- ▶ **Hydrogeological Investigations (on-going):** preliminary 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 will be completed, which will include groundwater modeling using computer modeling software.

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.



1.866.217.7900
www.cambium-env.com

RUBY ROAD WASTE DISPOSAL SITE CAPACITY
EXPANSION ENVIRONMENTAL SCREENING PROCESS