



# **Ruby Road Waste Disposal Site Capacity Expansion**

**Public Consultation Event No.1**

February 20, 2008

*Eganville, Ontario*

# Introduction

- Project examines the feasibility of Ruby Road waste site capacity expansion
- Public input and discussion is an integral component of this process
- Meeting format:
  - Slide presentation
  - Question and answer period
  - Open house session

# Presentation Outline

- Background
- Brief summary of Environmental Screening Process (ESP)
- Details on Roles and Responsibilities
- Potential Environmental Effects
- Brief overview of the project to date
- Outline of the studies to be completed

# Status of the Existing Waste Management System

Waste Disposal Site	Current Operations	Licensed Service Area	Estimated Remaining Capacity (m <sup>3</sup> )	Estimated Annual Fill Rate (m <sup>3</sup> )	Remaining Site Life (years)
Sand Road	Disposal	Township of Bonnechere Valley	17,605 <sup>(1)</sup>	3,705	4.75
Ruby Road	Transfer	Township of Bonnechere Valley	0	0	0
Lake Clear	Transfer	Township of Bonnechere Valley	0	0	0
Eganville (Snodrifters)	Disposal	Village of Eganville, geographic Township of Wilberforce	5,570 <sup>(2)</sup>	1,913	2.91
<b>TOTAL</b>			<b>23,175</b>	<b>5,618</b>	<b>4.13</b>

Notes:

(1) - Remaining site capacity as of October 2007 (Annual Monitoring Report, Cambium, 2007)

(2) - Remaining site capacity as of November 2007 (Annual Monitoring Report, Cambium, 2007)

# The Problem Identified

- Short Term
  - Remaining Township disposal capacity of only 4 to 5 years
- Long Term
  - Currently no development prospect for 25-year waste management capacity



# The Approach to a Solution

- Environmental Assessment (EA) commenced in 2006 to develop a long term (25-year) strategy
- Terminated in 2007 based on new Ontario Regulation 101/07
  - Provides an ESP for waste projects in recognition of the limited resources of rural municipalities and the characteristics of small waste disposal sites

# The Value of Past Efforts

- Valuable information acquired from previous studies and initial EA efforts useful for conducting ESP
  - *County of Renfrew Involvement in Waste Management Responsibilities Phase II – County Responsibility Assumption, Impact Study Report*, November 1996, Totten Sims Hubicki
  - *Bonnechere Valley Waste Management Study*, May 2000, Langsgard Group
  - *Bonnechere Valley Waste Management Review*, June 2, 2005, Township Staff
  - *Cost Evaluation for Selected Long-Term Waste Management Alternatives*, February 24, 2006, by SGS Lakefield Research Limited
- Township used the results of previous studies to identify most practical solution to problem of diminishing waste disposal capacity

# The Proposed Solution

- Expansion of Ruby Road waste site to provide 25-year waste disposal capacity
- Currently
  - 0.5 ha licensed footprint
  - Transfer station for waste (to Sand Road site) and recyclables (to Ottawa Valley Waste Recovery Centre)
  - Site closed to waste disposal since 2003

# Why Ruby Road?

- Existing waste operations at the site
- Lands required to expand the capacity at the site are available
  - 80 acre property; estimate of 7.5 acres to be required for waste disposal area and remainder for buffer and attenuation
- Site conditions suggest:
  - Adequate overburden and depth to aquifer
  - Relatively isolated

# Why Not Somewhere Else?

- Other existing waste sites not feasible to expand due to existing constraints including:
  - Sand Road waste disposal site current loading to aquifer should not be increased
  - Lake Clear waste disposal site located on the shore of lake
  - Eganville (Snodrifters) waste disposal site is not located within Township

# Why Not Something Else?

- Incineration (> \$500/tonne<sup>1</sup>):
  - Insufficient waste stock (~ 200 t/day) from Township (>5 t/day) and/or region to meet capital and operating costs
- Export (~ \$660/tonne<sup>1</sup>):
  - Service certainty cannot be secured with confidence
- New waste site, “Greenfield” (~ \$315/tonne<sup>1</sup>):
  - previous studies couldn’t identify readily developable site
  - establishing new site expands regional impact of waste
- Expansion of Ruby Road site estimated at cost of approximately \$285/tonne<sup>1</sup>

*Note: 1. Represents average of projected scenarios’ annual costs over 25 years.*

# Environmental Screening Process (ESP)

- Described in Ontario Regulation 101/07 under the Environmental Assessment Act (EAA)
- Regulation is directed partially at small, rural waste disposal sites
- To be commenced prior to progression of concrete project planning, site layout, and project design

# ESP Objectives

- Determine feasibility of capacity expansion at Ruby Road waste site
  - Identify and quantify environmental impacts
  - Establish mitigation measures to minimize negative impacts
  - Provide conceptual design and operations
- To contribute to a successful long-term waste management strategy for the Township

# ESP Considerations

- How the environment will be affected directly or indirectly by the project
- What actions if any are needed to prevent, change, mitigate, or remedy the effects upon the environment
  - *In this context, "Environment" means all the surrounding environmental conditions including natural, socio-cultural, economic, technical and built, and other.*

# Potential Environmental Effects

- Ground and Surface Water Quality
- Land Uses
- Air and Noise Quality
- Biological (terrestrial, vegetative, aquatic)
- Heritage and Cultural Resources
- Visibility/Aesthetics
- Socio-economic
- Traffic and Roads
- Public Safety

# Anticipated Studies and Analyses

- Hydrogeological Assessment
- Traffic Impact Analysis
- Noise and Air Impact Study
- Archaeological & Heritage Assessment
- Land Use and Resource Analysis
- Environmental Impact Study
- Biological Studies...


# Possible Biological Studies

- Plant inventory
- Vegetation communities
  - Ecological land classification
- Breeding bird survey
- Fish habitat
- Threatened and endangered species habitat
- Areas of natural and scientific interest (ANSI)
- Significant wetlands, woodlands, and valleylands
- Significant wildlife habitat analysis
  - Seasonal concentrations of animals
  - Animal movement corridors
  - Rare or specialized habitat
  - Species of conservation concern

# Roles and Responsibilities

- Municipal Council
  - The Proponent to the undertaking
  - Establishes a Working Group to direct the ESP
- Ministry of the Environment (MOE)
  - Provides input and guidance to the Proponent on the ESP process
  - Assists the Proponent with coordination of the Interested Parties
- Interested Parties
  - Information pertaining to the site is requested from Interested Parties to provide knowledge of associated aspects of the ESP
- Public Liaison Committee
  - Acts on behalf of public interest
- General Public
  - Provide input on the ESP and the project

# Typical Project Activities

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- Prepare and Publish Notice of Commencement of Environmental Screening Project
  - Working Group Meetings and Progress Reports, Public Liaison Committee Liaison, Aboriginal Liaison
  - Identify Problem or Opportunity & Provide Project Description
  - Apply screening criteria checklist to identify potential environmental effects
  - Describe the potential environmental effects, concerns and issues to be addressed
  - 2007 Working Group Meetings and Progress Reports, Public Liaison Committee Liaison, Aboriginal Liaison
  - Consult with interested persons, Aboriginal peoples and government agencies to identify any issues or concerns
  - **Public Consultation Event No. 1**
  - Conduct studies and assessment of potential environmental effects
  - Develop impact management measures
  - Consult with interested persons and government agencies to identify any issues or concerns
  - Public Consultation Event No. 2
  - Confirm no significant net effects and all concerns resolved
  - Conduct additional studies and assessment of effects and impact management measures (if required)
  - Prepare Environmental Screening Report - DRAFT
  - 2009 Working Group Meetings and Progress Reports, Public Liaison Committee Liaison, Aboriginal Liaison
  - Completion of Environmental Screening Report
  - Notice of Completion of Environmental Screening Report
  - Environmental Screening Report Review Posting (60 days)

# To be determined...

- Existing conditions at site and surrounding area; potential impacts
- Mitigation measures necessary to proceed with the project
- Most feasible plan for the site given mitigation requirements

# What do you think?



# Open House Session

- Please help yourself to refreshments
- Please take a moment to complete a questionnaire (or take one home)
- Please ask questions or provide your comments to meeting organizers

*Thank you for attending and participating  
in the Ruby Road Waste Disposal Site  
Capacity Expansion Public Consultation  
Event No.1*