

Public Consultation Event

For the Development of a

Municipal Solid Waste Management Strategic Plan



August 8, 2009

Killaloe Lions Hall
Killaloe, Ontario

Tyler H. Peters, P.Eng.
Project Manager

Greenview Environmental Management Limited
tel: (613) 332 – 0057
email: solutions@greenview-environmental.ca



Introductions

- ➔ Welcome!
- ➔ Tyler Peters, Greenview
Environmental Management Limited
- ➔ Members of Council and Staff

- ➔ Objective - *to gather input from Township residents/ratepayers for the **development** of a solid waste management strategic plan for the Township in the long-term*





Event Format

- ➔ Welcome
- ➔ Slide Presentation
- ➔ Questions & Answers
- ➔ Open House
 - Questionnaire Form
 - Public Liaison Committee Invitation





Presentation Outline

- ➔ Review existing waste management status of Township
- ➔ Identify Problem (Opportunity)
- ➔ Identify Alternatives
- ➔ Next Steps





Existing WM Status

- ➔ Three (3) waste sites manage solid waste generated within the Township
- ➔ Only one (1) site has current approvals for landfilling operations
- ➔ Waste diversion efforts currently divert approximately 33% of waste generated



Existing WM Status (continued)

- ➔ Killaloe WDS (1049 Mask Road)
 - recycling depot/transfer station and landfill site
 - remaining capacity = 10,000 m³
 - remaining landfill life = approximately 3 years

- ➔ Round Lake WDS (168 Sunrise Road)
 - mobile recycling and domestic waste transfer station
 - interim-closed status to landfilling operations
 - remaining disposal capacity 80,000 m³



Existing WM Status (continued)

- ➔ Red Rock WDS (Beechnut Lake Road)
 - mobile recycling and domestic waste transfer station
 - interim-closed status to landfilling operations
 - remaining disposal capacity 7,500 m³

- ➔ Contingency/Emergency
 - export waste to larger, landfill sites (significant quantities)
 - disaster waste relief (fire, flood, etc.)





Problem (Opportunity)

- ➔ Limited waste disposal capacity remaining at approved landfilling site
- ➔ Township requires a long-term solution for managing solid waste generated in the Township, that is economically-feasible and environmentally-responsible





Proposed Alternatives

➔ Waste Diversion

➔ Landfill

➔ Waste Export

➔ Waste Incineration

➔ Other Alternatives

➔ Do Nothing





Proposed Alternatives (continued)

➔ Waste Diversion:

- enhanced blue-box recycling program, i.e. additional materials
- user pay*
- organic waste diversion
- bag limits
- clear bags
- expanded curbside collection service area



Proposed Alternatives (continued)

➔ Landfill:

- existing site utilization and/or expansion
 - Killaloe WDS
 - Round Lake WDS
 - Red Rock WDS
- new site development (Greenfield development)
- historical site re-development (?)



Proposed Alternatives (continued)

➔ Waste Export:

- collect and/or transfer residual waste to an approved landfilling site outside the municipality
- any/all feasible private and/or public facilities considered



Proposed Alternatives (continued)

➔ Waste Incineration:

- thermal treatment of waste (various technologies)
- potential for energy recovery, i.e. waste-to-energy (WTE)



Proposed Alternatives (continued)

➔ Other Alternatives:

- not currently identified
- may arise during the development of the Plan



Proposed Alternatives (continued)

➔ Do Nothing:

- continue current operations without a Plan for future
- Likely to result in landfill over-filling, illegal dumping, environmental compliance issues
- not considered viable; serves as a ‘control alternative’



Evaluation of Alternatives

- ➔ Depending on alternative, varying review processes to consider and follow:
 - environmentally-responsible
 - economically-feasible
 - legislative requirements (federal/provincial/municipal)

- ➔ Evaluation must be thorough, *reasonable, and defensible*
 - public opinion and support is important



Evaluation of Alternatives

➔ Review and assess potential effects on:

- Surface & Groundwater (water quality and flow, drinking water resources, etc.)
- Land (uses, zoning, etc.)
- Natural Environment (protected natural areas, wildlife habitat, etc.)
- Socio-economic Environment (business impact, taxation, etc.)
- Air & Noise (air quality, noise, etc.)
- Heritage & Culture (heritage features, archaeological values, aboriginal interests, etc.)





Summary

➔ The following has been presented:

- Current WM status
- Problem (opportunity)
- Proposed WM alternatives for consideration
- Initial, general approach for the evaluation of alternatives
- Township's interest in resident/ratepayer input in the development of the plan





Next Steps

- ➔ In order to proceed, feedback on information presented today is requested
- ➔ Form a Public Liaison Committee to establish a communication link between the Township and the public
- ➔ Based on all information gathered, and a more detailed review of the alternatives, the Township will present their findings and an initial work plan in a second meeting in early October 2009



Questions?





Open House

- ➔ Refreshments
- ➔ Individual questions to myself, Council, Township staff
- ➔ Fill out a Questionnaire
- ➔ Review PLC Invitation
- ➔ Thank you for attending!

