

Public Consultation Event

For the Development of a

Municipal Solid Waste Management Strategic Plan



Public Consultation Event #2
October 24, 2009

Killaloe Lions Hall
Killaloe, Ontario

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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

➔ Slide Presentation

➔ Questions & Answer Session

➔ Open House

- Individual Q&A
- Poster review
- Discussion



Presentation Outline

- ➔ Review objective of MSWMSP
- ➔ Review results of initial consultations
- ➔ Review results of preliminary studies (August/September/October)
- ➔ Present a proposed work plan
- ➔ Next Steps





Recall: Existing WM Status

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





Problem (Opportunity)

- ➔ Limited residual 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*



Recall: Proposed Alternatives

➔ Waste Diversion

➔ Landfill

➔ Waste Export

➔ Waste Incineration

➔ Other Alternatives

➔ Do Nothing





Initial Consultations

➔ Initial Public Consultation Event

- August 8, 2009, over 60 attendees
- Questionnaires and PLC application forms
- Municipal-wide mailing of forms in mid-August, responses by September 11, 2009
- Received approximately 428 submissions of questionnaire forms



Initial Consultation Results

⇒ Questionnaire - General

- 65% of respondents were permanent residents
- 75% utilized the Killaloe WDS, 33% Round Lake WDS
- 50% backyard compost
- 33% participate in MHSW events
- 24% backyard burn (unknown waste type)





Initial Consultation Results

⇒ Questionnaire – Waste Diversion

- 81% participate in blue-box program
- 14% engaged in Township's organics program
- Only a marginal increase in recycling participation with expanded curbside service
- 68% were not interested in paying for an enhanced recycling program
- Some interest in clear bags/bag limits to encourage diversion



Initial Consultation Results

⇒ Questionnaire – Waste Alternatives

- 47% of respondents prefer existing waste site utilization and/or expansion
- 40% prefer some form of incineration technology
- 13% prefer waste exportation outside of the municipality
- 11% prefer the development of a new landfill site in the Township



Initial Consultation Results

⇒ Questionnaire – Waste Alternatives

- 75% of respondents identified water resources (groundwater, drinking water, surface water) as the most sensitive in considering the alternatives
- 6% identified natural heritage features
- Other responses each less than 5%





Initial Consultation Results

⇒ Questionnaire – Overall

- 83% of respondents indicated that the services provided by the Township are sufficient for respondent's needs in respective areas of the Township
 - More MHSW event days
 - Hours of operation amended for seasonal needs
 - Expanded curbside service
- 68% indicated that the Township's services are sufficient overall in the Township
 - Municipal-wide curbside services
 - More recycling depots



Initial Consultation Results

⇒ Questionnaire – Conclusions

- Diversion – current diversion program is effective, some room for improvement in participation, service, controls
- Waste alternatives – clear preference for fiscal responsibility and desire for greener means of disposing of waste; split between existing landfill utilization/expansion (no “Greenfields”), and incineration/thermal technologies
- Existing waste management services are currently acceptable to respondents



Initial Consultation Results

⇒ Questions/Comments/Feedback

- Council clarified the plan's stage of development
- Council's apparent focus on the expansion of the Round Lake WDS
- What costs were associated with the alternatives presented
- How long the study would take to complete
- When would be public be consulted again about any developments in the Plan



Initial Consultation Results

⇒ Questions/Comments/Feedback

- Considerable interest of the public in the development of the MSWMSP
- Council committed to working with the public and other interested residents/ratepayers in the plan's development



Preliminary Studies

➔ Purpose:

- Preliminary studies scoped based on PCE#1 comments and feedback
- MOE pre-consultation and introduction of project
- Gather base information for the development of a work plan for presentation at PCE#2



Preliminary Studies

➔ Scope – Ministry of the Environment:

- Pre-consultation conference call with various branches and offices
- Request for information on incineration/thermal technologies and MOE approvals
- Clarification on project alternatives and related Environmental Assessment Act requirements



Preliminary Studies

➔ Results – Ministry of the Environment:

- Pre-consultation conference call with various branches and offices
 - ***MOE to develop a project contact list***
 - ***Twp to keep MOE informed of progress of early Plan development***
 - ***Maintain an open and transparent study process***



Preliminary Studies

➔ Results – Ministry of the Environment:

- Request for information on incineration/thermal technologies and MOE approvals
 - ***MOE focus on waste diversion first***
 - ***Approvals process/requirements unclear (new), strong air emission standards***
 - ***Preference for energy-from-waste (EFW) facilities***



Preliminary Studies

➔ Results – Ministry of the Environment:

- Clarification on project alternatives and related Environmental Assessment Act requirements
 - ***Review new Waste Management Projects regulation, O. Reg. 101/07***
 - ***Reviewed EA requirements / exemptions for particular projects, and applicable timelines***



Preliminary Studies

➔ Scope – Waste Alternatives:

- Landfill – no specific work at this time (on-going annual monitoring programs)
- Waste Export – initial contact with:
 - OVWRC (Pembroke)
 - Laflèche Environmental (Moose Creek)
 - Township of Madawaska Valley
 - Town of Bancroft
- Waste Incineration – initial contact with Northern Watertek Corp. (Ottawa)
 - local project feasibility



Preliminary Studies

➔ Results – Waste Alternatives:

- Waste Export
 - OVWRC (Pembroke)
 - ***OVWRC Board indicates openness to Township as a potential new partner***
 - ***Formal business valuation required for potential new partners up to \$30,000***
 - ***Partner “Buy-in” fees expected in excess of \$1M, to be confirmed***
 - ***Tipping fees: membership-related***
 - ***Waste handling and transportation: extra****
 - ***Timeline: 12 months***



Preliminary Studies

➔ Results – Waste Alternatives:

- Waste Export
 - Laflèche Environmental (Moose Creek)
 - ***Open to Township as a municipal partner, 5 to 20 agreement available***
 - ***No partner valuation or “Buy-in” fees***
 - ***Gate tipping fee \$75 per tonne***
 - ***Waste handling and transportation: extra****
 - ***Timeline: 6 months***



Preliminary Studies

➔ Results – Waste Alternatives:

- Waste Export

- Township Madawaska Valley

- ***Unable to accept waste from outside TMV under existing approvals***

- ***Interested in potential partnering of waste handling and/or transportation services***

- Town of Bancroft

- ***Undertaking their own waste management plan***

- ***Unable to accept waste from other municipalities until plan is complete***

- ***Keep informed***



Preliminary Studies

➔ Results – Waste Alternatives:

- Waste Incineration –Northern Watertek Corp. (Ottawa)
 - **Several verbal presentations to Council in 2009**
 - **Developing technology/industry, unproven**
 - **Regulatory approvals strict and unclear**
 - **Feedstock requirements ~ 48 tonne/day = 50% of Renfrew County waste, including recyclables**
 - **Cost responsibilities unclear**
 - **Capital costs ~\$100M**



Preliminary Studies

⇒ Conclusions

- With the initial consultation information, indications are that the following alternatives require additional study:
 - Landfill expansion/utilization
 - Waste incineration/thermal treatment
 - Waste export
- Detailed economic assessment must be included for diligent evaluation purposes



Proposed General Work Plan

- ➔ Proposed scope of work for assessing the general set of alternatives
- ➔ Results from the GWP is planned to result in an objective ranking of the potential environmental and economic impacts of the alternatives being studied
- ➔ Ranking evaluation is expected to indicate an objective, preferred solution



Proposed General Work Plan

➔ Proposed scope of work:

- Complete review of waste diversion program, available enhancements, possible ‘incentive’-type measures
- Landfill capacity expansion / utilization / reclamation at Killaloe and Round Lake WDS
- Specific waste incineration / thermal treatment / EFW opportunities for KHR
- Waste export evaluations for the OVWRC and LaFleche Environmental Inc.
- Detailed economic review of the alternatives under consideration, projected over the long-term planning horizon





Proposed General Work Plan

- ➔ General Work Plan timeline: November 2009 to August 2010
- ➔ Preliminary budget: \$100k to \$150k, pending scope confirmations
- ➔ Presentation of results at PCE#3 in August 2010



Summary

- ➔ The following has been presented:
- Reviewed MSWMSP objectives
 - Initial consultation results and suggestions
 - Subsequent preliminary studies to defining a scope of general studies
 - Proposed general work plan studies with results for presentation in August 2010





Next Steps

- ➔ Proceed with GWP studies

- ➔ Review and follow-up with PLC applicants to consider the formulation of a PLC

- ➔ Update Township webpage as base information station for the project
 - Initial consultation questionnaire summary
 - PCE#2 slides

- ➔ Presentation at PCE#3 in August 2010





Open House

- ➔ Refreshments
- ➔ Individual questions to myself, Council, Township staff
- ➔ Thank you for attending!

