

*Request for Decision     United Townships of Head, Clara & Maria Council*

Type of Decision									
Meeting Date	Friday, April 8, 2016				Report Date	Tuesday, April 5, 2016			
Decision Required	X	Yes		No	Priority	X	High		Low
Direction	X	Information Only			Type of Meeting	X	Open		Closed

## Waste Management Review and Options - Report #08/04/16/1102

**Subject: Review of the municipal Waste Management program.**

### **RECOMMENDATION:**

That Council adopt changes to the current operations to better meet requirements of the Certificates of Approval, keep costs manageable and improve our recycling operations.

#### Resolution #1

**WHEREAS** a recent municipal Waste Management review exposed a number of challenges with current operations;

**AND WHEREAS** recommended changes will ultimately improve services and may reduce operational costs over the long term;

**THEREFORE BE IT RESOLVED THAT** the Council of the United Townships of Head, Clara & Maria does hereby authorize staff to:

1. Submit applications for amendments to the Ministry of the Environment (MOE) for the Bissett Creek and Stonecliffe waste disposal sites requesting:
  - a. A variety of materials to be used as cover;
  - b. Reduction in the frequency of cover;
  - c. Approval for use as a transfer station with bins to hold waste materials until dumped and compacted;
  - d. Approval for use as a transfer station for recycling with bins to hold materials until removed for processing;
2. Submit application for amendment to the MOE for the Deux Rivieres waste disposal site to allow for use as a transfer station for waste and/or recyclable materials.

#### Resolution #2

**WHEREAS** a recent municipal Waste Management Review identified challenges and concerns with the management and operation of our current recycling program requiring immediate attention;

**THEREFORE BE IT RESOLVED THAT** the Council of the United Townships of Head, Clara & Maria does hereby authorize staff to contract with Beaumen Waste Management

Systems Ltd. for recycling collection from municipal transfer stations as soon as possible terminating our agreement with B.A.G. Recycling;

Resolution #3

**WHEREAS** waste audits will determine the effectiveness of the municipal waste management program and identify whether municipal policy is being followed;

**AND WHEREAS** the Shared Service Centre of Excellence through the Continuous Improvement Fund has obtained partial funding to complete four season waste audits within our community requiring financial participation from Head, Clara and Maria;

**THEREFORE BE IT RESOLVED THAT** the Council of the United Townships of Head, Clara & Maria does hereby authorize staff to contract for the audits and commits \$6,200 to cover the municipality's costs.

**BACKGROUND/EXECUTIVE SUMMARY:**

1. Please see attached document with a summary and alternate options to the entire waste management program.
  - Curbside collection will be continued.
  - Sites will remain open for residents on Tuesdays, Thursdays and Saturdays. (Amendments to include Deux Rivières?)
  - Material will be placed into front end containers instead of an open site face.
  - Segregation of bulky materials will continue to be available for grinding and eventually used as cover.
2. Alternate cover list attached.
3. Garbage and Recycling Run:
  - To pick up the three locations, Beaumen would send a front load truck from Renfrew to Head Clara Maria.
  - complete the pick up of 6 X 6yd bins of waste pick up bi weekly at three different locations then dump the waste in the Landfill. Compacted waste would then be covered
  - Then pick up of 3 X 6yd recycling bins of fiber once a month and pick up of 3 X 6yd co mingled bins once a month.
  - Accurate weights will be available for fibre and container recycling streams from Beaumen;
  - The cost will be \$ 800.00 per bi weekly trip plus HST (includes truck and man and processing).
  - The Township of Head Clara Maria would be responsible for the purchase of the front load bins. Beaumen can order them and bill HCM after as it is likely usually get a better price on bins.
  - Depending on volumes collected, the frequency of this service can be modified as needed.
4. Should council deem it appropriate, in order to reduce the frequency of covering waste at the sites, bins could be purchased to hold waste until full.

- a. After completing the garbage run, Beaumen would dump the compacted waste at one location requiring cover at only one site at a time.
  - b. No matter which method of cover is to be used in the future; this option would optimize operations.
5. It has been suggested that a bin to collect waste could be placed at the Deux Rivieres Disposal Site (transfer station) and improve service for residents.
- a. This would mean increased operation costs for site attendant on duty.

## **Waste Audits**

1. Help to determine how much waste is being generated and its content.
  - a. Undertake an audit of current waste management practices. The goal is to implement an improved waste management and recycling program.
  - b. A detailed waste audit may help to cut your carbon footprint, increase your diversion rate, and even save money, determine compliance, make adjustments and changes as identified.
  - c. A waste audit is an investigation of the existing waste management system. It involves collecting a waste sample, sorting and weighing its different components and reporting out.
2. Determine the types of waste residents are producing (i.e. paper, plastics and metals).

## **Waste Audit Benefits**

3. Gain a better understanding of waste: know what, how much and where waste is being generated.
  - a. Benchmark current and potential diversion rates in order to monitor progress
  - b. Distinguish between high and low performing areas/groups/seasons.
  - c. Identify the highest-potential, most cost-effective opportunities for increased source-reduction, reuse, and recycling
  - d. Increase awareness about waste generation and environmental issues
  - e. Enhance community and improve image and business relationships
  - f. Reduce solid waste management costs
  - g. Acquire current waste generation and diversion statistics for reporting purposes

## **FINANCIAL CONSIDERATIONS/BUDGET IMPACT:**

Various as outlined in the attached and summarized below.

### **Recycling:**

- Approximate cost of purchase of recycling front end bins - \$1,000 each. The number of bins to be used needs to be decided;
- Need to have curbside pick up completed by staff at a cost similar to garbage pick up.
- Recycling would best be done in two streams: Fibres one week, containers the second week. Staff will need to de-bag materials into front end bins.
- Beaumen Cost for garbage and recycling is \$800 bi-weekly: 10,400 for garbage and \$10,400 for recycling pick up and processing;
- current recycling operator - \$27,500 budgeted for 2016.

Landfill:

- Approximate cost of purchase of bins to hold waste on site - \$1,000 each plus delivery for a total of \$11,165 one-time cost.
- Cost of \$200 for each time the contractor comes onto the landfill site for compaction – estimated for argument purposes at bi-weekly but anticipated much less frequently if garbage bins can hold material for longer periods; e.g. every three or possibly four weeks. Less frequent service would also translate into a savings on recycling and garbage pick up costs.

**Policy Impact:**

Significantly changes current operations; all within Council purview.

**Others Consulted:**

Joe Hall, Redi-Recycling  
Emily Tieu and Tara MacDonald, MOE  
Crystal Fischer, Admin Assistant

Approved and Recommended by the Clerk

Melinda Reith,  
Municipal Clerk

*Melinda Reith*