HANOVER-WALKERTON WASTE MANAGEMENT COMMITTEE MINUTES

Tuesday May 16, 2023 | 10:00am
By Zoom

MEMBERS PRESENT: Ron Cooper I Warren Dickert I Peter Hambly I Nicholas Schnurr | Tim Elphick | Daniel Ferguson

1. INTRODUCTION OF BROCKTON CITIZEN REPRESENTATIVE
Committee member Daniel Ferguson was introduced as Brockton's citizen representative.

2. DISCLOSURE OF PECUNIARY INTEREST – None.

3. DELEGATIONS

3.1 Municipal Food Waste Diversion Program

- Jacob Hanlon of Food Cycle Science Corporation provided a presentation regarding a Foodcycler unit used for food waste diversion.

  The Foodcycler is conveniently sized to be stored on a counter top. Food waste is placed in a bucket in the unit, which can be stored separately from the unit until ready to complete a cycle, i.e. the unit stored in the basement and the bucket under the counter. A cycle takes four to eight hours, uses approximately the same amount of power as a computer for the same time, and produces a dry, sterile, odourless soil. The soil can be used to fertilize soil at home, in leaf and yard waste composters and community gardens. The life expectancy of a small unit is five to seven years and seven to ten years for a larger unit. Once the unit has reached its life expectancy, it can be recycled similar to e-waste. The company is also working on a unit that can be used in multi-residential units.

  Across Canada, there are 40 plus municipalities and 5000 plus residents piloting the Foodcycler unit, including six municipalities within Bruce County (Kincardine, Arran-Elderslie, Saugeen Shores, South Bruce, Huron-Kinloss, Northern Bruce Peninsula). The pilot consists of residents tracking their usage through cycles for a 12-week period. Food Cycle Science will present the municipality with the results.

  A minimum of 50 residents willing to partake in the pilot is required. Through federal funding the Foodcycler is available to residents for $150.00, during and after the pilot. The unit contains a carbon filter that requires replacement every three to four months at a cost of $20 plus shipping, and can be purchased via an online portal. Foodcycler support and contact information is also available on the portal. Limited staff resources are required and include promoting the pilot and pre-registration on the website.

  Food Cycle Science Corporation will conduct an event to distribute the Foodcycler to residents that have registered for the pilot. If there is more interest in the Foodcycler after the pilot, the Town can purchase units to have available for purchase.

- Next Steps
  Brockton council previously heard the presentation and made the decision to not endorse the program. It would be Hanover's decision if they would like a further presentation or to pursue the pilot project.

4. ADOPTION OF PREVIOUS MEETING MINUTES

- February 10, 2023 (see attached)

Moved by TIM ELPHICK / Seconded by PETER HAMBLY
That the minutes of the February 10, 2023 meeting be approved as presented and circulated.

CARRIED

5. BUSINESS ARISING

None.

6. ITEMS FOR DECISION/DISCUSSION

6.1 Hanover-Walkerton Landfill Agreement

Tim Elphick advised that the agreement will be brought forward to Brockton council for review. He will provide an update at the next meeting. Hanover will await the outcome of Brockton's review and consider any updates, if required.

6.2 Hanover-Walkerton Waste Management Committee

- Terms of Reference
  Ron Cooper will update the Terms of Reference to include the Environmental Compliance requirement to have one member from the public from each, Hanover and Walkerton.

6.3 Municipal Food Waste Diversion Program

- Pilot program
- 2,500-10,000 residents
- Pilot scope: 100 households
- Municipal investment $10,000
- Resident cost $150.00 for Foodcycler FC-30 (2.5L) and $300.00 for Foodcycler EO 5 (5.0L)
- Municipalities participating: Kincardine, Huron-Kinloss, Arran-Elderslie

It was suggested that the Foodcycler information be brought forward to Hanover council for information.

There are concerns that the Foodcycler units will be in the landfill after it's lifecycle.

6.4 Organics Program

6.4.1 Automated Cart Collection - Garbage / Organics

- 35US gal (135L)
- Number of households currently provided with curbside garbage collection:
  - Hanover – 2900 property units
  - Walkerton – 2100 property units

- Cart cost – 135L approx. $60/cart = $300,000 organics only / $600,000 organics and garbage
- Other sizes:
  - 64US gal (240L)
  - Used in Southgate
  - Cart cost – 240L approx. $85/cart = $425,000 organics only / $850,000 organics and garbage
  - Grey Highlands uses 240L for garbage and 360L for recycling

6.4.2 Hand Tip Cart Collection – Organics

- Utilized in Meaford and Town of The Blue Mountains
- 12US gal (45L) bin on wheels which drivers hand tip
- Collection by Miller Waste
- Cart cost – 45L approx. $35/cart = $175,000 organics only

6.4.3 Operational Costs

- Town of The Blue Mountains
  - Current collection costs - $250/tonne for garbage, $680/tonne for organics
  - Additional $185/tonne processing fee for organics
  - Weekly collection
- Hanover - 2022 garbage collection costs $92,997 (actual)
- Walkerton – 2022 garbage collection costs
- All Treat Farms - $115/tonne organics processing fee
- Southgate Township - $73/tonne organics processing fee (expected to increase)
- Estimated 320 tonnes of organics from both Hanover and Walkerton annually
  - Estimated processing costs of organics at $120/tonne = $38,400 (for both Hanover and Walkerton)
  - Expected collection costs to double due to additional travel time to processing facility and bin collection time

The committee discussed the various options, noting the cost and operations seem significant.

The diversion of organics may lessen current leachate volumes and increase the life of the landfill.

Organics collected by Waste Management will be transported to All Treat or Southgate Township. There was discussion regarding organics not being collected from commercial buildings and apartment buildings of more than five units.

Discussion included the possible cost benefits of a joint tender for Hanover and Walkerton household waste and organics collection. Hanover's residential garbage collection tender expires at the end of 2023. Mr. Cooper will research cost estimates and impact on the landfill capacity.

6.5 Landfill Leachate Management EA Studies

- Minutes from June 14, 2022 identifying studies

6.5.1 Archaeological Study – Stage 1 and 2

- Estimated cost: $30,000
- Proposal received:
  - FAC (Fisher Archeological Consulting) of Hamilton – Cost = $9,608 plus HST

- ARA (Archaeological Research Associates Ltd.) of Kitchener – Cost = $13,960.00 plus HST
- TMHC Inc. of London – Cost = $19,480 plus HST

Moved by PETER HAMBLY / Seconded by WARREN DICKERT
THAT the Hanover-Walkerton Waste Management Committee approves the acceptance of the proposal from FAC (Fisher Archeological Consulting) to complete Stage 1 and 2 Archeological Study at the cost of $9,608.00 plus HST for the long-term management of leachate from the Hanover-Walkerton Landfill Site.

CARRIED

6.5.2 Environmental Impact Study (EIS) / Geotechnical and Hydrogeological Studies

- Estimated cost:
  - $60,000 for EIS
  - $45,000 for Geotechnical
- Proposals received:
  - Envision Consultants Ltd. of Mississauga
    Cost = $31,450.00 plus HST for EIS
    Cost = $39,150.00 plus HST for Hydrogeological and Geotechnical
  - WSP Canada Inc. of Thornhill
    Cost = $50,272.00 plus HST for EIS
    Cost = $43,176.00 plus HST for Hydrogeological and Geotechnical

Moved by WARREN DICKERT / Seconded by TIM ELPHICK
THAT the Hanover/Walkerton Waste Management Committee approves the acceptance of the proposal from Envision Consultants Ltd. of Mississauga to complete the Environmental Impact Study at a cost of $31,450.00 plus HST and combined Hydrogeological and Geotechnical studies at a cost of $39,150.00 plus HST for the long-term management of leachate from the Hanover-Walkerton landfill site.

CARRIED

6.6 Household Hazardous Waste Event

- Bruce County event in Walkerton June 24th and September 23rd for Bruce County residents
- Proposed date for event in Hanover October 21st for Hanover and Walkerton residents

Moved by NICHOLAS SCHNURR / Seconded by TIM ELPHICK
THAT the household hazardous waste event be held at on October 21, 2023 at the Hanover Public Works yard, 70 14th Avenue from 10:00am until 2:00pm for both Hanover and Walkerton residents to attend.

CARRIED

7. ITEMS FOR INFORMATION/CORRESPONDENCE

7.1 2023 Landfill Budget

- The budget status to April 30th was reviewed with no concerns.

7.2 Landfill Quantities

- Quantity report to April 30, 2023
  This item is deferred to the next meeting.

- 5-year Annual Quantity Comparison
  This item is deferred to the next meeting.

7.3 Landfill Operational Report

- Site Operations report for January, February, March and April
  This item is deferred to the next meeting.

8. NEW BUSINESS

None.

9. NEXT MEETINGS

The next meeting is scheduled for Wednesday June 21, 2023 at 1:00pm. A Zoom meeting invite will be forwarded to committee members. (Note: The meeting has been rescheduled to Tuesday July 4, 2023 at 1:00pm.)

10. ADJOURNMENT

Moved by PETER HAMBLY
That this meeting adjourns at 11:35am.

CARRIED