



City of
Peterborough

To: Members of the Waste Management Steering Committee

From: W. H. Jackson, Director of Utility Services

Meeting Date: January 25, 2016

Subject: Report WMC16-001
Update on the Proposed Leaf and Yard Compost Facility at the
Peterborough County/City Waste Management Facility

Purpose

A report to update Committee on the proposed Leaf and Yard Compost Facility at the Peterborough County/City Waste Management Facility (the “Landfill”).

Recommendation

That the Waste Management Committee approve the recommendation as outlined in Report WMC16-001 dated January 25, 2016 of the Director of Utility Services as follows:

That Report WMC16-001 providing an update on the proposed Leaf and Yard Compost Facility at the County/City Waste Management Facility be received for information.

Budget and Financial Implications

There are no additional budget or financial implications to receiving this report.

Background

The Waste Management Committee at its meeting of June 23, 2014 in considering Report WMC14-008 dealing with the City of Peterborough's Organics Strategy was apprised of the proposal to relocate the existing Harper Road Compost Site to the Landfill in the near future.

Since that time, an application to amend the Environmental Compliance Agreement for the Landfill has been submitted.

In addition, on January 13, 2016 an application for this project was submitted to the Township of Otonabee-South Monaghan. The attached letter (Appendix A) to Ms. Eleanor J. Rath lists all of the documents submitted in support of this application. It is expected that the application will be considered by the Township Council and the detailed design for this facility finalized by the end of 2016 with an anticipated construction date in the spring of 2017.

The site, to the north of the existing active cells represents approximately 11.8 ha of land with approximately 295 m frontage on Bensfort Road. The site is vacant and has historically been utilized for field crop production. A low ridge runs through the site from the north-east to the south-west which currently acts as a drainage divide for the site. To the north, east and west, the lands are surrounded by other rural lands that are utilized for hay and/or crop production. A small ephemeral watercourse is located directly adjacent on the east side of the site.

Relocating the existing Harper Road site next to the active landfill site will allow for efficient and inexpensive transfer of leaf and yard material from the landfill public drop-off area to the new compost site.

The Leaf and Yard site will not be directly accessible to the public and will only be accessible by City/contract staff within the existing Landfill site. The drumlin feature will be leveled to accommodate the composting windrows on an asphalt pad however, a berm feature will be constructed around the east side of the pad to provide a visual buffer from Bensfort Road. A berm will also be constructed along the west side of the asphalt pad to prevent surface water from entering the neighbouring creek.

All processing activities associated with the Leaf and Yard Compost site will be conducted on the asphalt pad. These include receiving and processing material, forming windrows, compost curing, screening and final product storage.

Stormwater run-off from the site will be directed to a stormwater management pond which will be constructed on the east side of the site. Flows from the pond will discharge into the City's municipal wastewater collection system which currently services the landfill site.

Submitted by,

W. H. Jackson
Director of Utility Services

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Attachment:
Appendix A: January 13, 2016 Application Submission Letter to Ms. Eleanor J. Rath.