



City of
Peterborough

To: Members of the Waste Management Steering Committee

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

Meeting Date: June 22, 2015

Subject: Report WMC15-009
Update on Peterborough County/City Waste Management
Facility Construction Projects

Purpose

A report to provide Committee with an update on the construction projects presently underway at the Peterborough County/City Waste Management Facility.

Recommendation

That the Waste Management Committee approve the recommendation as outlined in Report WMC15-009 dated June 22, 2015, of the Director of Utility Services as follows:

That Report WMC15-009 providing an update on the construction projects presently underway at the Peterborough County/City Waste Management be received for information.

Budget and Financial Implications

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

Background

The following two major construction projects are presently ongoing at the Peterborough County/City Waste Management Facility:

- The construction of Cell 3, installation of a gas collection system in Cell 2 and expansion of the Public Drop off Area; and
- Overhauling the Flare.

1. Construction of Cell 3, installation of a gas collection system in Cell 2 and expansion of the Public Drop off Area

The Administrative Staff Committee of the City of Peterborough awarded Tender T-05-15 for the construction of Cell 3, installation of a gas collection system in Cell 2 and expansion of the Public Drop off Area at the Peterborough County/City Waste Management Facility (the “Landfill”) on March 18, 2015. The successful contractor was Drain Bros. Excavating, 2130 8th Line Road North, Lakefield. The tender cost was \$3,926,964.56 plus HST of \$510,505.39 for a total cost of \$4,437,469.95.

The project officially started on April 6, 2015 with efforts concentrated on the installation of the gas collection system into Cell 2. A slight redesign of this portion of the project was warranted because of the depth of garbage that had accumulated over the proposed gas collection line between the design phase and start of construction.

There have been a number of changes to the original design as listed below:

- The addition of a gas valve and test port to provide additional options with respect to the disposition of the Cell 2 gas;
- The need to find an additional area to stockpile excess excavated material; and
- A change to the proposal around the expansion of the Public Drop off Area resulting in less work and therefore less cost.

To date, including the above changes, the construction contract is under budget.

As of June 15, 2015, the project was about 25% complete. The Cell 2 gas collection system portion of the work was about 75% complete with a delay encountered in the receipt of parts. The week of June 8, 2015 was essentially lost due to rain. All remaining work is expected to be completed without any undue delays, weather permitting.

2. Overhaul of the Existing Flare

The overhaul of the existing Landfill Flare was approved by the Waste Management Committee at its meeting of September 8, 2014. The intention was to do this work in the fall of 2014 but final agreement with the TSSA on specific work elements was not obtained until late in the year and, accordingly, the project was deferred until 2015.

The work was started on June 8, 2015 and is expected to be complete by June 22, 2015. Based on discussions with TSSA representatives and consultations with certified contractors, it was determined that the following works needed to be performed on the Landfill flare:

- Retrofit various components of the flare compound;
- Restore the existing flare;
- Upgrade various electrical components and controls; and
- Upgrade the existing burner table.

This project is within budget and after the retrofit, it is expected that outside of TSSA inspections, little rehabilitation money will need to be spent on the flare and its components for 10 years.

Submitted by,

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