



City of
Peterborough

To: **Members of the Waste Management Steering Committee**

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

Meeting Date: **June 20, 2016**

Subject: **Report WMC16-010
Update on Construction Activities at the Peterborough
County/City Waste Management Facility**

Purpose

A report to update Committee on recent construction activities undertaken at the Peterborough County/City Waste Management Facility.

Recommendation

That the Waste Management Committee endorse the recommendation as outlined in Report WMC16-010 dated June 20, 2016, of the Director of Utility Services as follows:

That the update on the construction work undertaken at the Peterborough County/City Waste Management Facility as described in Report WMC16-010 dated June 20, 2016 from the Director of Utility Services be received for information.

Budget and Financial Implications

There are no budget or financial implications associated with receiving this report.

Background

The contract to award Tender T-05-15 for the construction of Cell 3, expansion of the Public Drop-off Area and installation of a Gas Collection System in Cell 2 was awarded on March 18, 2015 (Report USWM15-003). Construction began on April 6, 2015 and was scheduled to last 16 weeks.

The contract took longer, however, because of weather delays and a deficiency in the recompacted liner. Approximately 44 days were lost due to inclement weather and a 5-week delay was required to resolve the matter of the recompacted liner thickness deficiency. The work was substantially performed on December 4, 2015 and is now in its one-year warranty period.

Garbage is now being placed in Cell 3 to provide a protective layer to the leachate system and both the Cell 2 gas collection system and the expanded public drop-off area are operating as designed.

Contract Budget

There were two main components of the budget, construction and consulting.

1. Construction

While the construction was underway, it was determined that less excavation and paving was required than originally envisioned in the public drop-off area. This resulted in a significant saving to the contract. Coupled with a minimal draw on the contingency included in the awarded tender, a savings of almost \$700,000 was realized.

An additional \$400,000 contingency was carried for this project outside of the tender award. No draws were made on this contingency and, accordingly, a further savings of \$400,000 was realized for a total contract savings in the order of \$1.1M.

The final numbers have not been audited as yet and there is still the 1% Warranty holdback (approximately \$36,000) that is owed the contractor at the end of the warranty period. It is proposed to retain an additional \$50,000 in case any issues come up over the next year.

2. Consulting

The budget for consulting for this project was established at \$120,000 in the award report. The invoiced costs as of December 31, 2015 totalled \$188,972.88.

The main reasons for the increased cost are the extended length of the contract and the work required to deal with the recompacted liner deficiency. The delayed contract completion resulted in more weekly meetings the consultant had to attend as well as

more meeting minutes, payment certificates, correspondence, site visits and other tasks related to contract administration.

In dealing with the concern about the recompacted liner thickness, almost \$30,000 was spent on both engineering and geotechnical evaluations to ensure the liner was constructed to appropriate specifications that would be acceptable to the Ministry of the Environment and Climate Change. This cost has been charged back to the contractor.

In total, after accounting for charge backs, the consulting bill for this project is approximately \$38,000 over budget.

Summary

The contract to construct Cell 3, expand the public drop-off area and install a gas collection system in Cell 2 was successfully completed with garbage now being placed in Cell 3 and both the public drop-off area and gas collection system operating successfully. Overall the project was completed approximately \$1M under budget.

Submitted by,

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