



City of  
**Peterborough**

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

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

**Meeting Date:** November 6, 2017

**Subject:** Report WMC17-012  
Estimated Remaining Life of the County/City Waste  
Management Facility

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## **Purpose**

A report to inform Waste Management Committee of the estimated remaining life of the County/City Waste Management Facility.

## **Recommendation**

That the Waste Management Committee endorse the recommendation as outlined in Report WMC17-012 dated November 6, 2017 of the Director of Utility Services, as follows:

That Report WMC17-012 dated November 6, 2017 detailing the estimated remaining life of the County/City Waste Management Facility be received for information.

## **Budget and Financial Implications**

There are no budget or financial implications as a result of this report.

## Background

Every year as part of the Annual Monitoring Report the estimated remaining life of the County/City Waste Management Facility (the “Landfill”) is calculated. Appendix A provides a list of the estimated Landfill life from the 2011 to 2016 Monitoring Reports.

Appendix A shows a significant jump in estimated life for the Landfill between January 2013 and January 2014. This increase is, in part, due to the success of recycling programs (mattresses, large plastic items, construction and demolition material etc.). However, the most significant factor is the large reduction in delivery of garbage from the Landfill’s main private hauler.

As the various Cells have come on stream, the Monitoring Report has varied in reporting estimated remaining life. At one time, only the South Fill Area was reported. Then the South Fill Area and Cell 2 of the North Fill Area were reported followed by reporting on the South Fill Area and combined Cells 2 + 3 of the North Fill Area. Now that the South Fill Area has been closed for a number of years, the reporting is only for the total remaining life of the North Fill Area which includes Cells 2, 3 and 4 (as yet undeveloped).

### Error in Reporting Estimated Remaining Life

At one point, the Waste Management Committee was informed of an error in the calculation of estimated remaining life. This error occurred in the 2015 Annual Monitoring Report and involved the combined remaining life for Cells 2 and 3 of the North Fill Area. The remaining volume in Cell 2 was doubled counted and when this was corrected in the following Monitoring Report, the estimated remaining life for Cells 2 and 3 combined was 7.5 years versus the previously reported 12.3 years.

Fortunately, this error was not carried forward in the calculation of remaining life for the combination of Cells 2, 3 and 4 of the North Fill Area. The remaining life of Cells 2, 3 and 4 is, in essence, the remaining life of the Landfill so the error had no effect on programs or considerations going forward.

Submitted by,

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Attachment:  
Appendix A: Estimated Landfill Life Remaining

**Appendix A Report WMC17-012: Estimated Landfill Life Remaining**

<b>Estimated Landfill Life Remaining - November 2017</b>				
<b>No.</b>	<b>Date</b>	<b>SFA</b>	<b>NFA</b>	
			<b>Cell 2</b>	<b>Cells 2,3 and 4</b>
1	Jan-11	1.0	2.7	
2				
3	Jan-12	0.6	2.5	13.3
4				
5	Jan-13	0.0	2.3	13.1
6				
7	Jan-14		3.2	18.4
8				
9	Jan-15		2.1	17.2
10				
11	Jan-16			16.3
12				
13	Jan-17			15.4