

# Report for Solid Waste Advisory Panel



## Agenda Item # 3

Meeting Date	July 15, 2013					
Report Title	<b>Landfill Site Equipment Comparison</b>					
Type of Report	Information Only		Request for Comments	X	Request for Support	

Report Authored By	Division Review
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## Report

At the May 14<sup>th</sup> Council meeting, staff was requested to provide a history on the landfill equipment requirements. The attached pages provide a comparison since the 1996/98 time period.

The text in bold in the attached pages indicates a change from the previous contract. The reasoning for the changes are summarized below:

Changes from the 1996/98 contracts to Contract 2002-42:

- 1) Changed the compactor's trash blade from a straight style to a double semi-u style. This style of trash blade helps make the equipment more efficient by forcing the garbage away from the center of the machine - directly into the path of the tracks where it can be more readily compacted.
- 2) Increased the operating weight of the loader from 20,000 KG to 22,000 KG. Staff recalls reviewing the specifications at the time and the manual indicated a higher operating weight.
- 3) Required additional attachments for the loader...snow plough blade and power sweeping.
- 4) Removed the requirement of grader and dump truck.
- 5) Matched the compactor requirements for the Walden, Azilda and Hanmer site.
- 6) Reduced the requirement for a new compactor to a new or used compactor for the Azilda and Hanmer sites. Specified the used maximum hours for the Walden Site. The used compactor could not have more than 6000 hours and/or certified rebuilt by manufacturer.



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## Changes from Contract 2002-42 to Contract ENG10-52:

- 1) Reduced the requirement for a new compactor to a new or used compactor for the Sudbury Site. The used compactor could not have more than 6000 hours and/or certified rebuilt by manufacturer.
- 2) Upgraded the teeth on the compactor wheels for the Sudbury, Hanmer and Azilda Site.



## Changes from Contract ENG10-52 to GDD13-3:

- 1) Added a requirement for another loader at the Sudbury Landfill Site for the future Construction & Demolition Material Recycling Site.
- 2) Increased the operating weight of the existing loaders from 17,000 KG to 22,000 KG and the bucket size from 2.5 m<sup>3</sup> to 3.0 m<sup>3</sup> at the Hanmer and Azilda Site. This is to handle hauling and loading construction and demolition debris to the Sudbury Site.

Staff has for many years, specified the type of equipment to be used for landfill operation. This is the case for the requirement of equipment used to move, push, spread and compact waste that will be buried. These are daily activities and the equipment must always be available. The landfill equipment compliment is reviewed from time to time and is revised, replaced or upgraded as required.

Other major equipment requirements are selected and provided by the contractor. For example, staff would specify that concrete block and brick would have to be ground to the Ministry of Transportation gradation for granular B. How or what type of equipment to handle, grind, move and stockpile the material would not be specified. This would be the decision of the contractor.