



## Toronto's Integrated Solid Waste Resource Management Process - TIRM

### Waste disposal contracts signed

The City of Toronto has signed contracts with Republic Services of Canada Inc. and Wilson Logistics Inc. for the transportation and disposal of solid waste at the Carleton Farms Landfill in Michigan. Under the contract the City is obligated to provide a minimum of 285,000 tonnes in 2001 and 2002 for disposal. In 2003, the guaranteed minimum reduces to 100,000 tonnes.

The impact of reducing the volume of solid waste received at the City's Keele Valley Landfill Site (located in the City of Vaughan) by 285,000 tonnes in 2001 and 2002 will effectively extend the site's service life to the end of 2002.

The City has also signed an amending agreement to its contract for disposal of solid waste at the Arbor Hills Landfill in Michigan, operated by Superior Arbor Hills Landfill Inc. The amending agreement provides for a price reduction. Superior will continue to manage 450,000 tonnes of solid waste yearly for the next two years.

Both contracts provide the flexibility the City needs to reach its new diversion targets, because the contracts allow the City to cut back on the quantities of waste going to landfill and boost diversion. The City's new diversion targets are as follows:

- 2001-2003 – recycle and compost 30%
- 2004-2006 – recycle and compost 60%
- 2007-2009 – recycle and compost 80%



### A closer look at the disposal contracts...

**Republic Services** operates the Carleton Farms Landfill in Sumpter Township, Wayne County, Michigan. Toronto's contract with Republic provides the City of Toronto with disposal capacity for the non-hazardous private sector waste\* received by the City at its transfer stations and municipal waste.\*\* The contract with Republic begins January 1, 2001 for an initial five-year term. The City then has several contract renewal options to address residual disposal needs. The price per tonne for haulage and disposal is \$50.75 CDN.

Wilson Logistics Inc., from Toronto, Ontario, will transport, under contract to the City, waste from the City's transfer stations in closed-top-containers to the Carleton Farms Landfill Site. The Brent Run Landfill, located in Genessee County, Michigan is identified as the contingency disposal site.\*\*\*

**Superior Arbor Hill Landfill Inc.** (formerly BFI), operates the Arbor Hills Landfill in Salem Township, Washenaw County, Michigan. The contact provides the City with disposal capacity for 450,000 tonnes of non-hazardous private sector and municipal waste. Two years remain in the initial five-year term and the City has the option to extend the contract for an additional five years. The price per tonne for haulage and disposal is

\$51.56 CDN, effective April 18, 2001.

Verspeeten Cartage, Ltd. of Ingersoll, Ontario, hauls the waste from Toronto transfer stations to the Arbor Hills Landfill Site. Ref-fuel's waste-to-energy facility in Niagara Falls, New York is the contingency site.

Only solid, non-hazardous waste will be managed through these two contracts.

Both sites are licensed by the State of Michigan and are permitted to accept waste from Ontario. Additionally, both sites have leachate collection systems, liners and landfill gas collection systems.

\***private sector waste** – non-hazardous solid waste from industrial, commercial and institutional sources – private sector pays a fee for the City to manage their waste

\*\***municipal waste** – residential waste and waste produced by the City's agencies, boards, commissions and departments.

\*\*\***contingency site** – the contingency site would only be used in the event that the primary site was unable to provide disposal services or transport waste to the site due to emergency conditions, such as a major storm.

### What happened to the Rail Cycle North contract?

At the Council meeting held in October 2000, City Council authorized contracts with Republic Services of Canada and Rail Cycle North (RCN). However, the signing of the agreement with RCN was conditional on RCN's acceptance of the removal of the section concerning unavoidable costs, which presented the City with an unspecified liability. This was one of several amendments City Council made to the negotiated contract. In the event that RCN did not agree to this condition, Council authorized that the waste be redirected to Republic and Superior. RCN was not able to successfully address the Council amendment to the negotiated contract and, therefore, the process was concluded by the City's negotiating team. As a result, a contract was not signed with RCN and members of City Council were informed of the outcome.

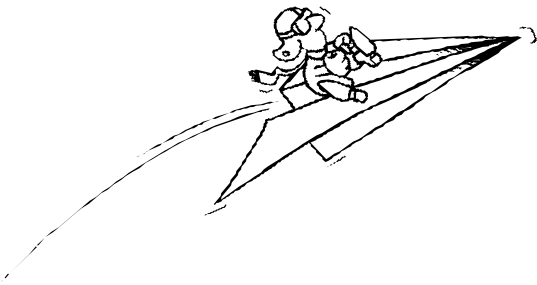
### Why does Toronto need new disposal capacity?

Toronto's only remaining landfill, the Keele Valley Landfill Site, is reaching the end of its service life. The province has advised that it will not allow the City of Toronto to extend the service life of Keele Valley beyond 2002. Until that time, the City will continue to send waste to the Keele Valley, but will reduce the amount disposed through its contracts with Republic and Superior. This will provide for continued settlement and organics decomposition, resulting in a scheduled closure in the last quarter of 2002. Otherwise, Keele Valley would close in April of 2002.

### How much waste does Toronto generate?

Toronto currently generates one million tonnes of residential solid waste (from apartments and single family homes) annually, of which 250,000 tonnes (25%) is diverted from landfill through recycling and composting. The diversion rate for single family homes is 33%. Toronto's Agencies, Boards, Commissions and Departments produce an additional 150,000 tonnes per year. Currently, Toronto receives an additional 300,000 tonnes of waste for disposal at the Keele Valley Landfill from York and Durham Regions, and 600,000 tonnes per year from private businesses, for a total of 1.8 million tonnes a year.

Copies of the city's contracts with Republic and Superior (formerly BFI) are available for reference purposes at the Urban Affairs Library at 55 John Street, Toronto.



## TIRM Category 1, Proven Diversion

Council recommended that the City enter into contract negotiations with the two top-qualified Respondents in the TIRM Process - Diversion Category: Groupe Comporec Inc. and Services Matrec, and Miller Waste Systems. (Details on the two proposals were provided in the previous newsletter, Vol. 3, Bulletin 2, August 2000)

### Need any reports? More information?

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Please find our project information and reports to Committee and Council on the project web page at:  
<http://www.city.toronto.on.ca/involved/swm/swmmep.htm>

## How will the diversion target be achieved?

Council approved a plan for achieving the City's diversion target and to reduce reliance on landfill. The "3Rs Implementation Plan" includes a number of integrated waste diversion activities. Here are some of the activities the City will be pursuing:

- adding polycoat containers (e.g. milk cartons and drinking boxes), empty paint cans and empty aerosol cans to the Blue Box Program effective March 1, 2001
- visiting targeted apartment buildings to review recycling collection performance and make recommendations for improvements
- retrofitting two apartment buildings with automated chute systems
- testing of co-collection of organics and garbage from single family homes utilizing bags and collection carts
- consulting with Toronto residents to gauge what changes they would be prepared to make to increase waste diversion
- in co-operation with Enwave District Energy Ltd., studying feasibility of siting an anaerobic digestion facility on city-owned property to process municipal waste to generate biogas for downtown energy needs
- negotiating with Miller Waste Systems and Groupe Comporec and Services Matrec for the design, construction and operation of aerobic composting facilities for mixed waste and/or source-separated organic materials

## Diversion news at the Dufferin Transfer Station... New Material Recovery Facility (MRF) up and running!



Toronto will now be able to better handle the recyclables residents put out in the Blue Box. This new MRF, opened in October 2000, operates under contract to Miller Waste Systems. The facility will process between 20,000 and 25,000 tonnes of container materials yearly, or up to six tonnes an hour.

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