

What is the Project?

The Landfill Re-engineering Project consists of 3 Phases, during which approximately 60% of the existing landfill waste (1,620,000 m³) will be dug up, screened to separate fine material and recompacted into newly reconstructed lined cells. These reconstructed cells are lined with plastic and clay liners that will prevent contaminated water, or leachate, from entering into groundwater below the landfill. The Project will be completed by 2015, resulting in a modern, more environmentally friendly landfill for the residents of Barrie.

The Landfill Re-engineering Project is partially funded by the federal Gas Tax Fund. The City of Barrie receives over \$7.8 million from the Gas Tax Fund on an annual basis, providing a stable, predictable and long-term source of funding for environmentally sustainable municipal infrastructure.

Project Update

The Landfill Re-engineering Project is moving ahead successfully and is on schedule. The City of Barrie is listening to the concerns of neighbours and addressing these concerns to minimize impacts on the community throughout the Project.

Phase 1: Completed in 2009, and included installing liners and a Leachate Collection System under two sections of the landfill.

Phase 2: Began in early 2010, and is scheduled to be completed in 2012.

In 2011, waste excavation and screening continued through the winter. In July, an additional liner and Leachate Collection System were installed. This area of the landfill can now be used for newly collected waste, and for processed waste from other sections of the landfill.

Landfill Gas Collection and Flaring Plant: Commissioned in July 2011 and now operational, this plant captures gas released from the landfill. Capturing gas reduces greenhouse gas emissions and odours from the landfill. The plant is partially funded by the Ontario Ministry of the Environment (MOE).

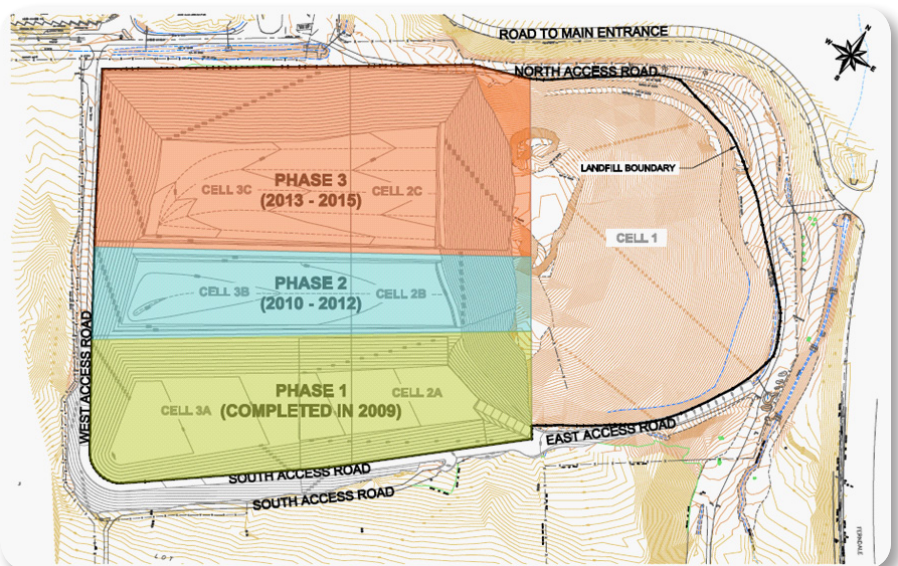
This fall we will continue Phase 2 work, including installing additional liners and Leachate Collection Systems, and relocating waste to the completed cells. Where possible, work will also continue through the winter.



Summer 2011: Installation of the Phase 2 liner



Landfill Gas Collection and Flaring Plant



We've Heard What You Think

Many of you have expressed support for the purpose of the project, which is environmental protection - thank you! Two of the concerns about the Project have been related to odour, and potential air quality and health effects.

We've heard what you think and want you to know that your input is important to us. We will continue to do everything we can to minimize impacts on the community during this Project.

Last year, we completed an Air Quality and Health Study that determined that the main causes of odour from the landfill are sulphur compounds; these compounds do not pose a health concern to the public.



Bald Eagle at the Barrie Landfill

More Information

We encourage you to provide any questions or comments you have about the Project. If you would like to arrange a tour of the landfill site, or a one-on-one meeting with landfill staff please contact: Sandy Coulter at (705) 739-4220 ext. 5826, or by email at scoulter@barrie.ca

Up-to-date information is always available at www.Barrie.ca.

Odour Monitoring and Control

Summer Schedule Changes – Proactive Odour Control

Throughout the summer, waste reclamation activities continued on a modified schedule developed by the City and our contractor in order to minimize disruption to residents. Work days were shortened, and no reclamation activities were completed on Saturdays to limit impacts to residents on weekends and after normal daytime working hours. Reclamation activities were planned on a daily basis based on weather and wind conditions to prevent effects to nearby residents.

Ongoing Odour Mitigation

Work is conducted within small areas of exposed waste to minimize odours. Highly odorous materials are directly transferred from the excavation area to the active landfilling area during optimal wind conditions in order to reduce odours. If needed, odour suppressant foam and odour suppressant misters are used to control odours.

Work has now returned to regular hours, which includes activities 6 days a week. Residents are encouraged to report any odours to City staff so that work can be altered appropriately. Please contact call 705-739-4220 ext. 4516 if you have any concerns about odours resulting from the Project.



Waste is placed into a newly lined cell at the landfill

Be Part of the Solution!

In addition to the Landfill Re-engineering Project, the City is developing a Sustainable Waste Management Strategy that will explore changes to Barrie's waste collection, diversion and disposal over the next 20 years. We want to hear what you think about current practices, and suggestions for the future. Visit www.Barrie.ca for more information, to participate in our online survey and to register for an upcoming community planning workshop.

