

April 2010

Phase 2 Landfill Re-Engineering Began in March 2010

Work associated with Phase 2 of the City of Barrie's proposed nine year Landfill re-engineering project has commenced. Phase 1 was completed in 2009 and the City is using the new Landfill cell (Cell 2A) to safely dispose of waste generated within the City.

The project was approved by the Ministry of the Environment and is proceeding in accordance with Provincial Environmental Legislation.

Waste reclamation and construction of Cells 2B/3B (the middle portion of the Landfill) is projected to take approximately 3 years. The design specifications for this phase are similar to the design used in Phase 1, which included the use of a thick plastic and clay composite liner system to contain landfill leachate and an under drain system to collect and direct the leachate to the Water Pollution Control Centre for treatment.

Why Is This Work Being Undertaken?

Re-engineering of the Landfill site is required for the long term protection of groundwater. Controlling landfill leachate at the source is the most effective method of protecting groundwater quality. This is achieved through the installation of a composite liner and leachate collection systems, which is being undertaken in the western portion of the Landfill. As much of this area had already received waste, the excavation of the existing waste is necessary to install the liners.

What You May See, Hear and Smell

The excavation, screening and re-landfilling of waste (referred to as landfill reclamation) will all happen behind the east face (Cell 1) of the Landfill so you will not be able to see this operation from Ferndale Drive North.

The reclamation process produces fines (daily cover sand material separated from the waste through the screening process) which is being placed in Cell 1 of the Landfill. To accommodate this requirement the existing sand cap currently located on the north portion of Cell 1 will be stripped. The east slope of Cell 1 will be hydro-seeded in sections as the work proceeds from south to north.

The scheduled hours of work are between 7:00am and 7:00pm, Monday to Saturday in compliance with the City Noise By-law. Air quality is being monitored, and contingency plans are in place to address impacts the reclamation process may have on landfill operations and to manage off-site environmental impacts such as noise and odours.

Who Do I Call If I Have Any Questions?

The City of Barrie Operations Department, Environmental Operations Branch, is administering the overall project. If you have any questions, or comments regarding the construction, please feel free to call:

Kelly Walker Prince
Manager of Environmental Operations
(Acting)

At **739-4220**, extension **5829**
or by e-mail at:

kwalker-prince@barrie.ca

Please note that the construction drawings are available for viewing at the City of Barrie Environmental Centre, located at 272 Ferndale Drive North.

