

# Lambton Facility Update

Friday, September 30, 2011

## On-site Control Measures

Over the past week, company efforts to reduce the odours emanating from the leachate areas are showing positive results. The main source of odours was the leachate in the storage pond, which is now under control with the continual pumping of Zymeflow into the tarped pond. Staff continues to apply odour control products to the active landfill areas to further reduce this odourous source.

The company purchased a foam product that is scheduled for delivery on October 1, 2011, with testing of the foam to begin during the week of October 3, 2011.

The long duration foam is for coverage lasting two to three months on stockpiled soil or open parts of the excavation cell. The foam product produces an impermeable, flexible membrane that seals the surface of the leachate in the active cell to reduce odours. This product utilizes foam as a distribution method for latex. After the foam has been applied, the air bubbles begin to collapse and the latex coagulates to form a continuous flexible membrane that adheres to the substrate.

The facility also purchased a completely self-contained and portable foam generating applicator unit designed to withstand the rugged demands and harsh elements found at remediation sites. The unit includes an air compressor, pump, hoses, nozzles, solution storage tank, and proprietary foam-generating technology. The foam is applied using a hand-line. The unit also has freeze protection for outdoor storage year-round.



Foam Applicator Unit

## Interim Odour Report

During the week of August 23, 2011 the company retained the services of Conestoga-Rovers & Associates to evaluate the emissions from all sources at the Lambton Facility, i.e. leachate, tank farm, mixing pits, incinerator, etc. The posted **Interim Odour Report** summarizes the monitoring activities that were performed at that time and provides an overview of the observations and findings.

## Thermal Desorber Unit Air and Odour Assessment

On Wednesday, August 10, 2011 at approximately 9:00 p.m., an air release occurred from the emergency release vent connected to the Thermal Desorber Unit (TDU) at the facility. After that event, the company received odour complaints. The posted August 10, 2011 **TDU Air and Odour Assessment** has been prepared by Conestoga-Rovers & Associates to evaluate the potential air quality and odour impacts from the release. The assessment indicates that the facility did not exceed any Ministry of the Environment odour threshold values or point of impingement air standards.

