

October 2008

## Notice to our community respecting fall construction

Dear Neighbours,

Before we head into the winter season we would like to update you on current construction projects at our facility.

### Treatment of Leachate

Waste Management has applied to the Ontario Ministry of Environment (MOE) for approval to allow the temporary operation of a pilot-test AQUA Wetland System (AWS). It will investigate site-specific efficacy for treatment of landfill leachate at the WM Ottawa Landfill.

The AQUA Wetland System is a constructed wetland with a vertical flow, and is proven to provide tertiary treatment to many types of wastewater. The AWS technology is a hybrid filter with various technologies designed to provide optimal conditions for treatment. All leachate treated through the test run will be returned to the landfill's existing approved off-site discharge pipeline to the municipal sanitary sewer system. There will be no direct discharge of leachate from the pilot AWS to the environment.

Two MOE Certificates of Approval have been issued for the AWS for treatment of landfill leachate elsewhere in Ontario. In addition, many other MOE-approved AWS installations exist for treatment of various types of wastewater, including winery and farm effluents, and sanitary sewage.

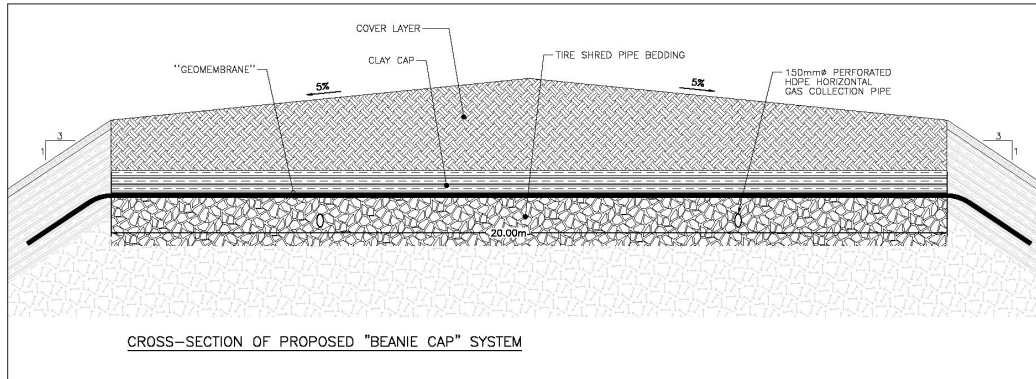
### Closure Plan

The Ottawa landfill is a 35 hectare landfill area within a 104 hectare site. It has a total capacity of approximately 8.5 million metres cubed, and receives domestic, commercial and non-hazardous solid industrial waste from the Province of Ontario. The closure plan that's been prepared for Waste Management outlines end use selection, provides closure information and environmental monitoring details. The report also details post-closure environmental monitoring, maintenance and inspection. Financial assurance calculations to ensure care of the landfill site after closure are included in the report.



### Beanie Cap

A cap will be placed on top of the landfill. As illustrated in the diagram below, this “beanie cap” consists of a PVC membrane, clay, topsoil and a horizontal landfill gas collector. It will cover an area of approximately 1.8 hectares. Construction of the beanie cap will be done in three phases over the coming years.



### Temporary Flare

The Ottawa Landfill has just received a Certificate of Approval to operate a temporary flare until the Landfill Gas to Energy (LFGTE) facility comes online. This flare will allow for extra flaring capacity of the landfill gas collected from the site. The capacity of the flare is 2,100 standard cubic foot per minute (scfm). The flare is called a candlestick flare and differs from the existing two flares as it is not enclosed and the flame will be visible. The temporary flare will be located north of the existing flares along Carp Road.



All of these enhancements will help improve our operational performance at the facility.

We would like to thank you again for your interest and patience. Waste Management has stringent standards, policies and procedures to ensure a high level of consistency and quality is built into each project.

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For further information, please contact our Community and Municipal Relations Representative **Jody Falls** at (613) 836-8610, [jfalls@wm.com](mailto:jfalls@wm.com) or visit [www.wastemanagementottawa.ca](http://www.wastemanagementottawa.ca).

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