



Alternative Fuels Demonstration Fact Sheet

(Bowmanville Plant)

The fuel demonstration is **short-term**; alternative fuel would be used for approx. 24 days during the demonstration.

Fuels

The **only** fuels being tested during the demonstration are post-composting residual plastic film from the Orgaworld composting plant (London), and post-recycling paper biosolids and post-recycling residual materials from Atlantic Packaging (Whitby).

The characteristics of the alternative fuels are **very similar** to fossil fuels currently used at the plant.

The maximum amount of alternative fuel at the site at any time will be approximately 100 tonnes.

Air Quality

No material changes to local or regional air emissions are expected from the demonstration. The alternative fuels would make up only 1 to 3% of total material entering the plant.

Over 99% of trace metals are bound into the cement clinker.

Organic compounds (e.g. volatile organics, plastics) in the materials entering the cement manufacturing process are **destroyed** by the very high kiln temperatures.

Other Information

There will be **no ash** from the fuels – it will be bound in the cement clinker.

Negligible change to dust and odour as the alternative fuels will **always** be enclosed.

All equipment and remaining fuels will be removed after the demonstration.

Between 3 to 14 trucks per day (1 to 3% increase in trucks) will deliver fuels during the demonstration.

Scheduling

Applications for the temporary permits for the demonstration will be submitted to the MOE **mid-September**.

St. Marys Cement would like to complete the demonstration **before the winter**.