



Alternative Fuels Demonstration Fact Sheet

(St. Marys Plant)

The fuel demonstration is **short-term**; alternative fuel would be used for approx. 4 days during the demonstration.

Fuels

The **only** fuel being tested during the demonstration is post-composting residual plastic film from the Orgaworld composting facility (London).

The characteristics of the alternative fuel is **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 less than 2% 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 1 to 2 trucks per day 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**.