



What will an Energy-from-Waste (EFW)/Incineration Facility mean to the Local Agricultural Community?

Residual Waste Study

Concentrations of any chemicals from the facility will not present a risk to local agricultural operations, farmers fields, produce or livestock.

- Human health is the primary concern of Durham Region and is a key factor in our Environmental Assessment (EA).
- Energy-from-Waste (EFW)/Incineration facilities have strict monitoring programs in place to ensure the safety and protection of human health and the environment.
- The EFW/Incineration facility selected by the Region will be a state-of-the-art facility that will achieve emission levels comparable to those currently being achieved in other modern state-of-the-art facilities around the world.
- The Ministry of the Environment (MOE) concluded in 1999 that an EFW/incineration facility could be safely sited and operated with no undue risk to human health or the environment.
- The maximum concentration of contaminants are expected to occur approximately 300 to 500 metres from the facility.
- The Region is committed to developing a facility that monitors emissions, and key process parameters, on a continuous basis to ensure safe operation.
- To put it in perspective - The annual particulate emissions from a 250,000 tonne per year facility are approximately equivalent to the annual particulate emissions from 23 households heating their homes with woodstoves.
- The Region is acting to further reduce the amount of waste requiring disposal, however, even the best recycling programs in the world still have residual waste that must be managed.

The Region of Durham recognizes the importance of its Agricultural Community and is undertaking a full Environmental Assessment to ensure an EFW/Incineration facility will not jeopardize this important part of our society!



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The Generic Risk Assessment Study

**Completed
2007**

- ❑ The Generic Risk Assessment Study completed as part of the Environmental Assessment looked at the potential impact from air emissions on a 'Subsistence Farm' family.
- ❑ This farm family was assumed to live year round beside the facility at the maximum point of emissions concentration and obtain 100% of their food (e.g., meat, fish, poultry, eggs, milk, produce) year-round from their farm at this maximum point for 35 years.
- ❑ The result - no potential risk to the family or farm.

The Site Specific Risk Assessment Study

**Scheduled
for 2008**

- ❑ A site specific risk assessment will be undertaken for the Clarington 01 site once a specific Energy-from-Waste (EFW)/Incineration technology vendor has been identified.
- ❑ The site-specific risk assessment will be required to unequivocally demonstrate that emissions from the facility would not adversely impact local produce, crops or livestock; nor would it be allowed to pose any potential risk to farm families or people "eating local" or "buying local."
- ❑ Baseline sampling programs and post-development biomonitoring programs will be developed in the near future and there will be opportunities for input from interested parties to these programs.

The Regions' will submit the EA documentation for final review to the Ministry of the Environment.

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