

## Emissions Evaluated

The thermal decomposition of waste has been proven to exceed the required norms for

Emission Type	Allowable Limits	Actual Measured	Percentage of Allowable Amounts
Particulates - average POI	100 µg/m <sup>3</sup>	1.5 µg/m <sup>3</sup>	1.5%
Mercury -average POI	5 µg/m <sup>3</sup>	0.00067 µg/m <sup>3</sup>	0.01%
Lead -average POI	5.7 µg/m <sup>3</sup>	0.0034 µg/m <sup>3</sup>	0.06%
Cadmium -average POI	5.7 µg/m <sup>3</sup>	0.00057 µg/m <sup>3</sup>	0.01%
HCl -average POI	60 µg/m <sup>3</sup>	2.4 µg/m <sup>3</sup>	4.1%
Dioxins & Furans - average POI	15 pg TEQ/m <sup>3</sup>	0.00073 pg TEQ/m <sup>3</sup>	0.005%

environmental protection and public health concerns. An independent auditor of the Eneco Systems Toronto waste to energy plant (built in 1992) wrote:

The amount of emissions were “well below” the standards set by the Ontario government. They then give some specific examples just how much less than the permissible amounts of various emissions were measured.

*This study was completed by an independent company, Ortech Environmental in 2006. POI equals 'Point of Impingement'.*

As can be seen, the emission rates are far far less than those allowed by the government and thus demonstrate the safety and efficiency of this particular type of waste treatment process.