

# 'Incineration is a dirty word for us'

## ENVIRONMENT: Plant proposed for Brant County

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There's a big difference between incineration and combustion of garbage -at least when it comes to the type of state-of-the-art technology that Renewable Energy Management Inc. is bringing to Brant County.

"Incineration is a dirty word with us," REM managing director Stan Kinsman said in response to its appearance in an Expositor story describing the REM waste management process.

"This is a clean process by comparison."

Kinsman said that in the advanced thermal conversion process such as REM plans to use when its plant is built on Powerline Road an estimated two years from now, no emissions escape, unlike with incineration.

"With this, we actually get 98% reduction (of the original waste capacity)."

Kinsman provided some information as to how the system actually works.

"The waste is separated and sorted in a front-end process," he said.

"After recycling materials are removed the residual materials and biomass are dried and the water recovered for use in the process, reducing water consumption requirements for the facility.

"The dried materials are processed in an advanced thermal process called gasification," he added, "which converts the waste into Syn-Gas, a gas with properties similar to that of methane. (The Syn-Gas) is combusted in a thermal reactor to produce the heat energy required for thermal distribution and electricity generation.

"The process is cleaner than natural gas power generation of the same capacity in energy."

The plant will be the first of its kind in Canada. The company's head office is in Bowanville, but the waste-handling plant proposed there does not use the advanced thermal conversion process.