

I recently attended a sitting of the waste management hearings at 549 Crémazie est. At that time I had an opportunity to speak briefly with the President, Louise Roy and yourself, about an exciting new technology now emerging on the waste management/energy scene. I would like for Mme Roy to have the opportunity to evaluate the technology¹'s potential for inclusion in the CMM¹'s waste management scheme.

The technology is known as ³ thermal depolymerization² and essentially breaks down complex organic, that is carbon-based, polymers into natural gas, light crude oil and a variety of metals, nonmetals and chemical compounds that are easily isolated and sufficiently pure to be marketed for profit. The corporation holding the patents on this process is called ³ Changing World Technologies² and is based in West Hempstead, NY.

I realize that this ³ dream² technology seems to be highly implausible. Indeed, the host of people I have spoken to from around the city, including Mr. De Sousa, have not seemed ready to take it seriously. Yet the science behind the technology is solid and the principles have been well understood since the 1920¹'s. It has been the engineering solutions, and not the science per se, that have been problematic until recently.

Other attempts to subject organic material to high temperatures have resulted in incineration, and, where chlorinated compounds are involved, the fugitive emission of dioxins and furans. This new process, however, is not incineration, but a controlled molecular deconstruction in a water slurry under conditions of moderate heat (500°F) and moderate pressure (600 psi).

The new technology was publicly unveiled in ³ Discover Magazine² in May 2003 and drew media coverage in the United States but not in Canada. I would be happy to forward you a copy of the Discover Article if you would like one. The ³ Wall Street Reporter² did an online interview with CEO Brian Appel in August illustrating growing market interest. And of course the technology also faced the criticism of the skeptics.

So that you might evaluate the potential of this new development on the waste management and energy scene I invite you to visit the following website:

<<http://www.changingworldtech.com/home.html>>

Please note the impressive credentials of the members of the executive, research and management team.

What has come to my attention, since the hearings I attended, is that in the current issue of the prestigious publication ³ Scientific American,² Changing World Technologies was one of the business honorees in the second annual ³ Scientific American 50,² a list of innovators in the fields of technology, business and public policy. This clearly imparts a credibility that makes this technology worth investigating, tracking and perhaps in future implementing. It is my belief that this process can make a significant contribution to dealing with what have been perennially intractable elements in the waste stream. Rubber tires, food wastes, plastics, PCB¹'s, solvents, paints, adhesives and pesticides, to name only a few of the most difficult, can be rendered into

