



First Closed Loop Manure Recovery System FAST, COMPLETE and SUPPORTED A New Business Model

Clare Schlegel, President of the Canadian Pork Council, at the Banff Pork Seminar in January 2008 reviewed the economic situation of the pork industry in Canada. To summarize, he felt that in order to save the pork industry in Canada we will have to cast off current practices and adapt to a new business model. He called it a 'new paradigm'. He expected little in the way of new money from the Governments, feed costs to remain high for the foreseeable future, and the Canadian dollar to remain higher than we are accustomed to with the result that we are and will not be competitive in the export market that has taken 50% of our product in recent years. We have to cut costs and herds ruthlessly. We have to reduce those costs that we can control and even think differently about our traditional operations and practices in order to survive.

ATD Waste Systems has developed a manure recovery technology that provides the opportunity to not only survive, but prosper in this new competitive arena by:

- eliminating odour and providing better air quality for neighbours, animals and staff
- disconnecting hog production from manure disposal acreage by converting all manure to fertilizer pellets

Thus allowing hog operations to become larger and to be located closer to suppliers of labour and services.

To be more economical by:

- capturing more nutrients to be sold off-site
- reducing greenhouse gases substantially to create offset credits for sale
- locating closer to a labour pool, feed mill and packing plant to cut transportation costs and animal losses.

Thus providing stable income not influenced by export markets or pork prices. Who knows, these new products may be more valuable than pork some day!

To be more environmentally sustainable by:

- reducing water consumption by 50%+
- providing a dry pelleted fertilizer supplemented to a client's crop requirements that has high organic content for better soil tilth and water retention

Manitoba and Quebec have declared moratoriums on new and expanded hog barns. Maple Leaf and Olymel are reorganizing their approach to the market. Packing plants have been shut down.

The industry is in flux and the opportunity for a new approach has come.

Imagine, a 10,000 sow farrow to finish operation, surrounding a feed mill and a packing plant, with rail and road access placed on the edge of a town with a growing population. Imagine that all this infrastructure can be placed on a quarter section of land, that there would be no discharge to the land or water, that odour would not escape the project, that typical water consumption would be cut by 50%+ and greenhouse gases by 65%+. Imagine high organic based fertilizer sales of 33,000 tonnes per year. Imagine a bio-security perimeter that surrounded all of this.

Imagine, the “Canadian” brand telling the story of increased environmental awareness, less impact on our natural resources, better air quality for both healthier animals and staff.

Imagine the economies of scale available to a large operation, the reductions in transportation costs with feed and killing capacity close by, with incoming grain and outgoing fertilizer by rail or truck. Imagine the job opportunities that would attract residents of small communities and new professional openings for graduates of our Agricultural Colleges.

This new business model is only an integrated version of what we do now, but it promises the opportunity to develop into world class production on a sustainable basis.

ATD Waste Systems has developed a hog manure recovery system that can make this a reality and I would like to meet with you to talk about it.

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