



mwin *Municipal Waste Matters*

Spring 2007

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mwin 2007 Annual Meeting & Conference – Best Western Hotel, Cobourg, ON June 12-14, 2007

Managing Change – Perspectives for Waste Management Professionals

Watch your inbox for your personal invitation and links to the annual mwin conference program information. Preliminary program information and registration details are posted on the mwin website (www.mwin.org).

Relevant and interesting topics, excellent speakers and some fun social functions have been planned by the conference planning committee. Some details relating to some high profile speakers for the program remain to be finalized but these will be confirmed shortly and available on the website. Session speakers will discuss issues that impact directly on municipalities – both negatively and positively in areas including crisis management; the shifting of responsibilities among municipal, provincial and federal levels of government; trends in technology; greenhouse gas management/carbon management and life cycle analysis; EPR; and resource collection. Guy Crittenden, Editor of Solid Waste & Recycling magazine is also back with his hot issues panel that will deal with the re-emergence of waste to energy issue.

We are also very pleased that Richard Butts, the new Deputy City Manager at the City Toronto, will join us to share details about the City's purchase of Green Lane.

Delegate registration forms can be downloaded from the mwin website. If you **book before May 18th**, you will be eligible to **win a \$150 gift certificate** to use during the conference to defray expenses or following it so you can enjoy the wonderful hospitality of the hotel and the beauty of Cobourg at some other time with your family.

mwin 2007 Annual Conference Sponsors



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Conference Supporters

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Our conference program begins with lunch for the golfers at the Port Hope Golf & Country Club at 12:00 on Tuesday, June 12th followed by the shotgun networking/ golf tournament at 1:00 pm. The annual networking/ golf awards dinner follows at the hotel (tickets are available for purchase by guests who are unable to participate in the afternoon activities).

There are still some sponsorship and exhibit opportunities available for those who wish to showcase their products and services. Please contact:

Sponsorship Opportunities:

Tim Murphy, Waste Management Inc.

Cell Phone: 416. 580.2668

E-mail: tmurphy3@wm.com

Steve Plaice, Jacques Whitford Limited

Cell Phone: 289.259.0876

E-mail: splaice@jacqueswhitford.com

Maryanne Hill, mwin

Phone: 519.620.9654

E-mail: mhill@mwin.org

Thank you to our members who have already committed to sponsor various conference functions. A list of those committed sponsors to date is shown on the left.

Exhibit Opportunities:

Phil Shepherd, Norseman Plastics

Phone: 416.745.6980 x825

E-mail: pshepherd@norsemanplastics.com

We plan to send you the program and registration information in the next week so watch your mail and make sure to fax in your registration right away to be eligible for the special draw for early registrants.

If you have questions or comments, please contact:

Tim Murphy

Waste Management Inc.

E-mail: Tmurphy3@wm.com

Steve Plaice

Jacques Whitford Ltd

E-mail: splaice@jacqueswhitford.com

Maryanne Hill at mwin (519-620-09654 or mhill@mwin.org)

Newsletter Contributors

Karen Asp

Gartner Lee Limited
(kasp@gartnerlee.com)

Angelos Bacopolous

Bacopo Environmental Solutions
abacopo@hotmail.com

Trevor Barton

Region of Peel
(Trevor.barton@peelregion.ca)

Adam Chamberlain

Aird & Berlis LLP
(achamberlain@airdberlis.com)

Denis Chamberland

Aird & Berlis
(dchamberland@airdberlis.com)

Ben Dunbar

AET Consultants Inc,
(bdunbar@aetconsultants.com)

Michael Cant

Golder Associates Inc.
(mcant@golder.com)

Melanie Franner

Canadian Plastics Industry
Association
(mfranner@cpia.ca)

Barry Friesen

Regional Municipality of Niagara
(Barry.friesen@regional.on.
niagara.ca)

Larry Freiburger, DCT, LEED AP

AET Consultants Inc.
(larry@aetconsultants.com)

Joe Hruska

Hruska & Associates
(jhruska@cogeco.ca)

Noel Moya

Halton Recycling
(noelmoya@hrl.ca)

Tim Murphy

Waste Management Inc.
(tmurphy3@wm.com)

Canadian Waste & Recycling Expo

We are particularly pleased with enthusiastic response by our consultant member in volunteering to present a **mwin** seminar at the November 28 & 29, 2007 at the Vancouver Convention Centre in British Columbia.

These **mwin** members and their topics include:



R.J. Burnside: *Best Management Practices for Small Landfills*

Presenters: **Lyle Parsons**, Vice President,
Environment (lparsons@rjburnside.com)
Jim Walls, Geoscientist,
(j.walls@rjburnside.com)



A Cross-Canada Review of Emerging and Innovative Ventures in Waste Management

Moderator: **Steve Plai**ce, National Practice Director,
Waste Services
(steve.plaiyce@jacqueswhitford.com)



consulting • monitoring • planning



Solid Waste Management: The Myths & The Realities

Moderator: Larry Freiburger, Principal,
(larry@aetincorporated.com)



Landfill Gas Recovery and Carbon Management

Moderator: **Michael Cant**, Senior Solid Waste Planner,
Ontario Region Waste Sector Leader,
(mcant@golder.com)



Gartner Lee *Trends in Extended Producer Responsibility: Developments in B.C. & Elsewhere*

Moderator: **Karen Asp**, M.A., Sr. Environmental
Planner, Gartner Lee Limited
(kasp@gartnerlee.com)

Lyle Parsons

R.J. Burnside & Associates Ltd.
(lparsons@rjburnside.com)

Steve Plaice

Jacques Whitford Ltd.
splaice@jacqueswhitford.com

Michael Snow

Golder Associates Ltd.
msnow@golder.com

Jay Stanford

City of London
(jstanfor@london.ca)

Paul van der Werf

2cg Inc.
(paulv@2cg.ca)

Peter Veiga

Town of Markham
(pveiga@markham.ca)

Peter Watson

Region of Durham
(peter.watson@region.durham.on.ca)

**If you wish to contribute
Articles or information****Contact Us at:**

Tel: (519) 620-9654

Fax: (519) 620-9678

info@mwin.org

<http://www.mwin.org>

mwin 2007-2008 Membership Directory

You have until **April 20, 2007** to send your municipal/corporate profile/descriptor or staff or address changes for the 2007-2008 mwin Membership Directory. Please send them to Maryanne Hill.

Industry News

City of London

The City of London Environmental & Engineering Services Department is seeking to fill the following two positions:

Solid Waste Planning Coordinator

The Solid Waste Planning Coordinator will undertake and coordinate research on waste management diversion and disposal issues including the collection and analysis of information and data. This person will formulate recommendations and solutions, manage contracts and small construction/remediation projects at closed landfills sites and waste management facilities, and provide analysis on policy alternatives. The successful candidate's honours degree in planning, geography, environmental studies or engineering and at least three years' related experience are supported by a working knowledge of municipal waste management practices and policies, health and safety issues and legislation, and construction procedures and standards. In addition, the person selected for this position must be fluent with relevant software and have a valid Class G driver's license.

Salary range: \$41,077 - \$59,430 per annum

File #B-30-07

Pesticides Education Coordinator

The Pesticides Education Coordinator will contact research on pesticides reduction issues, prepare presentations to lawn care/landscape companies, retailers and the public, and perform community outreach. Detail oriented, the successful candidate will lead various monitoring programs to collect, synthesize, and analyze information and data as well as provide overall contract coordination for summer staff or volunteers. The person selected for this position will have a degree or diploma in planning, geography, environmental studies, engineering or communications, at least four years'

relevant experience, and a comprehensive understanding of social marketing techniques, pesticides management options, basic biological processes, and relevant health and safety regulations. Proficient in a computerized environment, the successful candidate will also have a valid Class G driver's license.

Salary range: \$39,586 - \$56,853 per annum

File #B-40-07

If you are interested, please apply in writing by **Friday, April 13, 2007**, quoting the appropriate file number to:

Human Resources Division
City of London
City Hall, Room 508
300 Dufferin Avenue
Box 5035
London, ON N5A 4L9
Fax: 519.661.5802
E-mail: recruit_ads@london.ca

The City of London appreciates all applications; however, only those selected for an interview will be contacted. Any personal information submitted will be managed in accordance with the requirements of the Municipal Freedom of Information and Protection of Privacy Act and will be used only to determine eligibility for employment. The City of London is an equal opportunity employer.

Environment & Plastics Industry Council

Packaging and Demographics

The inherent benefits of packaging are many, ranging from containing product, to protecting, preserving and communicating information about the product. All are important roles.

At the same time, packaging is doing its part to provide longer shelf life and less waste resulting from food spoilage. In areas of the world where the use of plastics and refrigeration are much less widespread, food wastage can be as high as 50 per cent.

But is there too much packaging?

Research shows that there is a direct correlation between the amount of packaging generated and the size of the household. In 1961, the average number of people per household in Canada was 4.5. In 2001, it was 2.6. According to research, smaller households equal more packaging. In 2001, smaller

households of one or two people accounted for almost 60 per cent of the total number of households in Canada – and accounted for the generation of close to half of the total amount of packaging waste. European studies indicate that each person in a 1 or 2-person household generates approximately 105 kilograms of packaging waste per person per year, compared to the 70 kilograms per person per year generated in households of three or more people.

Take the example of a roast. The packaging on a small, 550-gram pre-cooked roast includes the outer board sleeve that has the bilingual cooking directions and list of ingredients, the vacuum seal covering the meat for longer shelf life and the heat-resistant tray used to heat the meat. All of that amounts to about 86 grams of packaging. A fresh 2.5 kilogram roast, however, uses only about 43 grams of plastic film – exactly half of the amount used in the smaller portion. Many of today's smaller households prefer the smaller pre-cooked roasts for the convenience factor, as well as for the fact that it means less food waste.

Packaging eliminates waste in other areas as well. If all sweet corn currently sold in North America as frozen produce were available as fresh corn on the cob with the husks and cobs attached, there would be close to a million tonnes of additional municipal waste per year. Instead, a lot of that is used in animal feed. Similarly, plastic packaging on all of the chickens sold in Canada in 2005 helped eliminate almost half a million tonnes of chicken waste from the municipal waste stream.

Packaging waste is also greatly affected by the type of packaging used. In Europe, for example, some 40 to 50 per cent of all goods are packaged in plastics. Yet, these same plastics account for only 10 per cent of packaging by weight. In Canada, that number is between eight and 10 per cent.

Plastic packaging is not only lighter in weight than traditional materials, it can also deliver on greenhouse gas (GHG) reductions. A 2004 study, sponsored by Gesellschaft für umfassende Analysen (GUA) and entitled *The Contribution of Plastic Packaging to Resource Efficiency*, shows that plastic packaging was found to reduce GHG emissions by 42.9 million tonnes of CO₂ equivalent per year, which is equivalent to taking 12.3 million passenger cars off of the road each year. Plastic packaging also saves 582.6 million gigajoules (GJ) of energy per year in Western Europe when compared to the use of alternative materials. This is equivalent to 101.3 million

barrels of oil.

Plastic bags viewed in new light

As a result of more and more Canadian municipalities working with local retailers to help create at-store plastic bag recycling programs, consumers are bringing back their bags for recycling and are helping to increase diversion of plastic bags from landfill.

Both the City of London and the City of Ottawa announced new at-store partnerships with major retailers – A&P and LOEB – just last year. The City of London alone estimates that the new partnership program will increase the quantity of bags being recycled by 30 per cent within the first year.

A&P and LOEB are the latest of an ever-expanding list of retailers that includes the likes Sobey's, London Drugs, Safeway, Dominion, Thrifty Foods, Atlantic Wholesaler, Walmart, Save On Foods, and Overwaitea. In many of these cases, municipalities are helping to promote the recycling programs to local residents, even donating the bins at times.

And plastic bag recycling meets the expectations of today's consumers. A Decima Research-conducted study found that over 81 per cent of Canadians would participate in retail at-store programs for recycling plastic shopping bags if such programs were made available. Retailers not only meet the needs of their consumers, they also gain from an additional revenue stream. The plastic bags are being sold to companies that recycle them into new bags or plastic lumber products, such as siding, waste receptacles, outdoor furniture, decking and even park benches. This plastic lumber market alone is worth \$2 billion – and growing.

Those Canadians who aren't recycling their plastic shopping bags are more than likely reusing them, according to Decima Research. The company found that 92 per cent of Canadians are reusing their plastic shopping bags two or more times.

Taxing plastic bags is not the solution. In Ireland, for example, consumers responded to a plastic bag tax by switching to heavier gauge plastic bags (like kitchen catchers). The check out counters reported a 90 per cent reduction in the number of bags being handed out, but sales of the heavier bags increased by 400 per cent and the overall use of plastic within Ireland increased by 10 per cent.

More recently, Scotland's all-party Environment and Rural Development Committee spent two years listening to expert opinion on the Irish bag tax before deciding against imposing a Scottish bag tax. The United Kingdom also decided against going forward with a tax.

And, it's interesting to note that Ontarions are overwhelmingly opposed to a tax on plastic bags. According to a Decima Research poll, a clear majority - at 75 per cent - said that they would not support such a move.

Cathy Cirko

Director General

Environment and Plastics Industry Council

www.plastics.ca/epic

Phone: 905-678-7405, ext. 234

Fax: 905-679-0774

E-mail: ccirko@cpia.ca.

John Jackson

Congratulations to John who was honoured at the Kitchener-Waterloo Mayors' Dinner on Saturday, April 14th for his nearly 30 years work as a dedicated environmentalist. Mayor Brenda Halloran (Waterloo) and Carl Zehr (Kitchener).

The *dedicated environmentalist* award recognizes outstanding publications made to the community. Everyone who knows John is familiar with his significant efforts in advocating on behalf of citizens in the areas of the environment, labour and conservation.

John is a RCO board member, member of Great Lakes United, and has served as coordinator of the Citizens Network on Waste Management.

Again, congratulations John.

Ministry of the Environment

Congratulations to the Minister and her staff for all their efforts to speed up and simplify the environmental assessment process.

To learn more about how it affects you please click on the following link: <http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTAwMzE2&statusId=MTQ5ODM5&language=en>

mwin Central Hub Breakfast Sessions

Many thanks to **Denis Chamberland** (Aird & Berlis) for the excellent information he presented at the two Central Hub breakfast sessions.

Everyone who attended the sessions, entitled: Procuring for Solid Waste Management Services: *Perils and Pitfalls in the Procurement Process* and Negotiating the Solid Waste Management Services Contract agreed that the information shared will help them to develop clear contracts and RFPs to minimize liability or surprises to either side in the negotiation process.

Thanks once again to mwin Board Member, **Peter Veiga**, and the Town of Markham for hosting this event.

For more information or assistance in preparing your contacts or RFPs, please contact Denis.

Denis Chamberland

Aird & Berlis

Phone: (416) 865-3078

E-mail: dchamberland@airdberlis.com

mwin Western Hub Breakfast - Waterloo

Thanks to **Kathleen Barsoum**, Promotion and Education Coordinator, Region of Waterloo, Waste Management Division who discussed how the history and strategic goals of the development of the Region's Environmental Education Centre; why educating the public as to the *what's*, *why's* and *how's* is a vital part of a comprehensive Waste Management program; and, the full waste cycle from natural resource to recycling to end of life disposal through the use of "theme" rooms and interactive displays and exhibits.

The highlight was the visit to the education centre to see how her clever staff "harvested" discarded materials to create useful exhibits in the centre.

We must also thank mwin Board Member, **Jon Arsenaault** and the Region of Waterloo, for hosting this event and also arranging for a landfill site visit following the early morning session.

For more information about how you can develop your own education centre, please contact Kathleen.

Kathleen Barsoum
Region of Waterloo
Phone: (519) 883-5100
E-mail: bkathlee@region.waterloo.on.ca

Regional Municipality of Niagara

Survey Shows 99 % of Niagara Residents Participate in Regional Blue/Grey Box Programs

Participation in Green Bin Program Increasing

The Waste Management staff at the Niagara Region is 'thrilled' with the preliminary results of a survey of Niagara residents conducted in December. According to the results, virtually all (99 per cent) of respondents participate in the Blue and Grey Box Programs, while almost all (96 per cent) place no more than two bags of garbage to the curb each week.

"This is great news, not only for the Region, but for the environment as well; residents should be extremely proud of their efforts," said Regional Chairman Peter Partington. "It's especially important to get this information now, when a recent Decima survey of Canadians, showed clearly that environmental policy is the top priority of Canadian voters."

While participation rates in the Blue and Grey Box programs are impressive, there is still room to improve participation in the Region's Green Bin program. According to the Region's survey, roughly half (51 per cent) of the residents surveyed participate in the program. "We're hoping that the survey will provide insight into why that is, and how participation can be improved," said Barry Friesen, Director, Waste Management Services.

Niagara Region is currently undertaking a Service Level Review/Financing Option Study. The results will help staff determine what, if any, new programs are warranted to

increase diversion rates while determining the best financing method.

"These diversion results are great and are truly a sign that residents are environmentally aware," Mr. Friesen said. "It's our job to ensure we continue to provide the most appropriate/efficient programs and services to continue to meet their waste management needs and meet our goal of 65 per cent diversion by 2012."

Contact:

Catherine Habermebl

Associate Director, Collection and Diversion Operations
Niagara Region

Phone: 905-685-4225 ext. 3204

Nova Scotia Leads the Way - Again

You will want to check out the Draft of *An Act Respecting Environmental Goals and Sustainable Prosperity* formulated by the Governor and Assembly of the Province of Nova Scotia.

For those interested in waste, see Clause 4 (3) (d) " The Governor in Council may make regulations...imposing environmental levies and disposable products for the purpose of reducing waste and managing costs of environmental management."

I can think of three areas they might be thinking about ... disposal tax, plastic bags and coffee cups...hmmmm....

There is so much more opportunity in this Act for air quality, Greenhouse Gas reductions, etc. We need it here!

Read Environment Minister, Mark Parent's comments relating to the efforts of his government by clicking on the following link <http://www.cbc.ca/canada/nova-scotia/story/2007/03/22/environment.html#skip300x250>

To obtain a copy of the draft act, please contact Maryanne Hill at mwin (mhill@win.org or 519.620.9654) or me.

Barry Friesen

Director, Waste Management Services
Regional Municipality of Niagara

Phone: 905.685.4225 ext. 3642

E-mail: barry.friesen@regional.niagara.on.ca

Regional Municipality of Peel

The Region of Peel officially launched its new Organics Recycling Program On Friday, March 23, 2007 at the Peel Integrated Waste Management Facility in Brampton. Showing off the new curbside bin available to more than 285,000 households that receive curbside waste collection is (from left to right), Denis Flangan, HGTV host and Manager, Membership Services for Landscape Ontario; John Vidan, Director, Waste Policy at the Ministry of the Environment; Binny, Region of Peel mascot; Susan Antler, Executive Director, Composting Council of Canada; and Emil Kolb, Regional Chair. The program, which begins on Monday, April 2, 2007, in the Cities of Brampton and Mississauga, and the Town of Caledon, will help the Region reach its goal of diverting 70 per cent of waste from landfill by 2016.



Left to right: Denis Flangan, John Vidan, Susan Antler and Emil Kolb

For more information on these programs:

Phone: **905-791-9499**

905-584-2216 for long-distance areas of Caledon

Website: peelregion.ca/waste.

Waste Diversion Ontario

Datacall Verification Protocol

Each year, Waste Diversion Ontario (WDO) verifies the program information and Blue Box, Other Recyclable, Organics, Waste Electronic and Electrical Equipment (WEEE) and Municipal Hazardous or Special Waste (MHSW) data provided by each municipal program in its Municipal Datacall form. The verification process involves examination of text and data entries in each submission and uses year over year database variance analyses and other protocol. For the 2006 Datacall, WDO will also be verifying garbage data and the GAP (Generally Agreed Principles) diversion questions and calculations.

Visit the following website address to review the verification protocol
<http://webservices.siriusweblabs.com/dotconnector/files/domain4116/Final%202006%20Datacall%20Verification%20Protocol%20for%20posting%20April%2016%202007.pdf>.

WDO welcomes comments on the verification protocol. Please forward your comments to wdo@wdo.ca by May 31, 2007.

Revised MHSW Draft Preliminary Plan

The Draft Preliminary MHSW Program Plan dated April 13, 2007 is available for review. This draft preliminary plan will be presented to the Board of Directors of Waste Diversion Ontario (WDO) on April 19. Direction from the WDO Board and comments received by end of business April 24 will be considered by Stewardship Ontario during preparation of the Draft Final Program Plan for submission to WDO on May 14, 2007.

WDO Annual General Meeting

April 19, 2007

Waste Diversion Ontario will be hosting its Annual General Meeting on Thursday, April 19, 2007 from 9 am to 11 am at the Novotel Hotel. The Honourable Laurel Broten, Minister of the Environment, will be their guest speaker. The meeting is open to all those with an interest in Waste Diversion Ontario, its Industry Funding Organizations and diversion program plans.

8:00 Registration & Refreshments

9:00 Call to Order

10:00 Official Business

To register, please visit

<http://www.zoomerang.com/recipient/survey.zgi?p=WEB226BBE9KAZ7>

The Compost Report

Overview of the Composting Industry

Canada generates about 32,000,000 million tonnes of municipal solid waste (MSW) annually which works out to a per capita waste generation of about 0.971 tonnes/year.

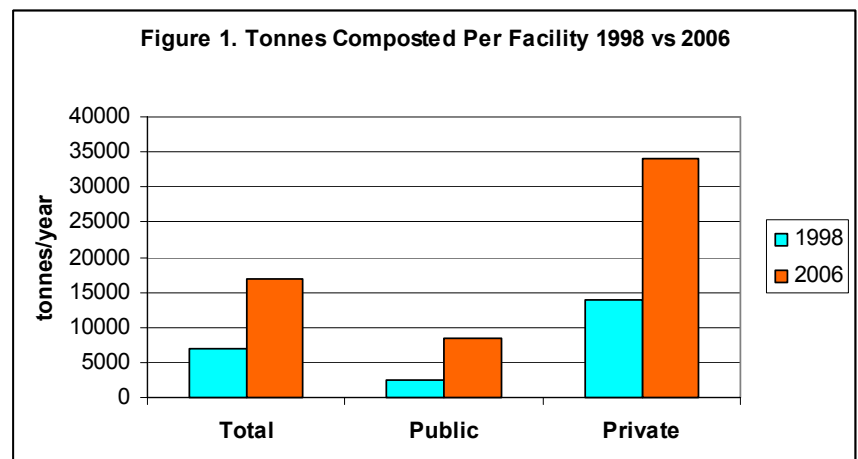
Despite increasing waste diversion programs Canada's waste generation per capita continues to increase at a rate of approximately 1.5% a year. Canada's reliance on landfilling continues to be high and is similar to that of the US at around 70% of the wastes generated. About 4% of wastes are currently being composted and this again is similar to that of the US but lower than Europe. How does this translate into the Canadian composting industry?

In the Composting Council of Canada's 1998 survey it was estimated that there were 344 facilities across the country. A survey undertaken by 2cg Inc. in 2006 found that there were about 350 facilities. On some levels it would appear that nothing has changed in the last dozen years.

The Composting Council of Canada recently completed a new survey in 2006 - one that resulted from detailed discussions with 227 facility operators (<http://www.compost.org/englishoverview.html>).

Annually these facilities composted an estimated 3.9 million tonnes or about 17,000 tonnes per facility. Of this 2.9 million tonnes was composted at 85 private sector facilities, or about 34,000 tonnes per facility. Public sector facilities accounted for just over 1.0 million tonnes or about 8,500 tonnes per facility. About 75% of the annual tonnage is processed by the private sector that own and operate about 40% of the composting facilities.

Figure 1 presents a comparison between 1998 and 2006. Although the number of facilities have not changed it does appear that the industry has grown in intensity. In rough terms facility size appears to have grown by 2.5 to 3 times.

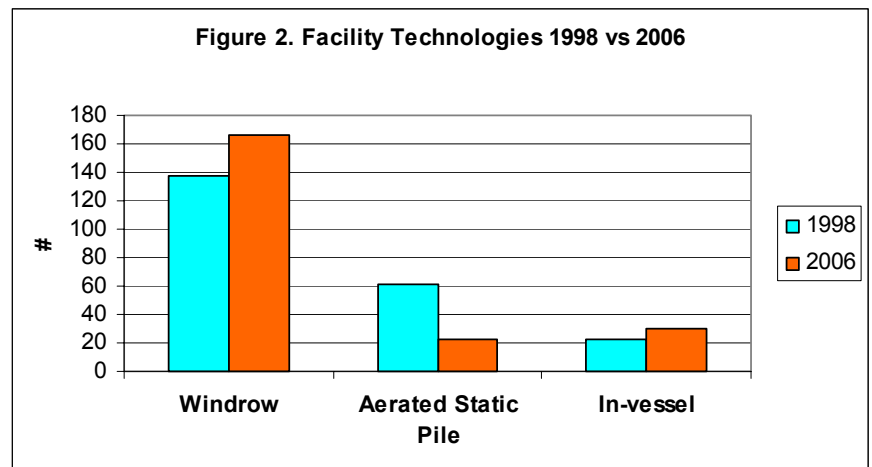


A lot of this change in intensity has to do with a general trend

for composting facilities to become larger and to accept more wastes. The development of super-sized facilities predominantly in New Brunswick and Quebec are in part driving these numbers upward. This is what I like to call hinterland composting - large facilities in the middle of nowhere taking incredible amounts of organic waste. They compost a wide array of feedstocks including wood residuals, papermill biosolids, and other IC&I wastes.

The most common feedstocks accepted at composting facilities continue to be yard waste, wood waste and animal manures. About 30% of composting facilities accept food wastes and 15% accept biosolids. This has not changed much since 1998.

Windrow composting continues to be the most common technology used by far with about 75% of facilities up from 62% in 1998 (Figure 2). About 15% of facilities surveyed were in-vessel up from 10% in 1998. There has been a decrease in aerated static pile composting to 10% from 27% in 1998.



A key advantage of composting is that it is reasonably accessible from an economic perspective. The continued reliance on simpler technologies is a testament to this advantage and also recognizes the extent of composting beyond residentially generated wastes to the significant composting of industrial, forestry and agricultural wastes.

The Canadian composting industry continues to grow if not in numbers than in intensity. The coming years promise to deliver some new challenges to the industry. There is a greater push to compost residential wastes from large urban centres. The challenge becomes finding the right technology to place in or near these centres to effect nuisance free composting. The industry which has cut its teeth on simple

technology will need to refine its more complex technologies so that a composting facility becomes a regular piece of municipal infrastructure.

If you wish to speak with Paul on composting related issues, you can contact him at:

Paul van der Werf, President

2cg Inc.

Tel: 519-645-7733

E-mail: 2cg@sympatico.ca

Website: www.2cg.ca

Articles of Interest

AET Consulting Inc.

Energy-from-Waste or Waste of Energy?

Ontario Premier Dalton McGuinty recently announced that the province will allow municipalities to fast-track garbage incineration pilot projects. His hope is that Ontario will become a leader in incineration. Proponents of garbage incineration, also known as energy-from-waste technology, see it as a solution to alleviate pressure on dwindling landfill space while generating valuable energy in the process. This announcement has been met with criticism and concern from environmental groups and the general public alike.

Questions raised about the potentially dangerous emissions generated from these plants are often answered with claims of new advanced “clean” technologies that eliminate or remove harmful contaminants from the air. The issue of emissions from incineration is a complex and important topic in itself, worthy of its own discussion. I would like to focus on some of the other aspects of this technology, which call into question the sensibility of choosing it as a solution to our waste and energy issues.

The first area of concern is that incinerators require a constant flow of garbage to run effectively and efficiently. Ontario and other jurisdictions across the country, and globe are pushing for reductions in waste generation and increased waste diversion through various initiatives such as Blue Box programs. This seems to be in direct conflict with the needs of incinerators for garbage. How can incinerators be a sound,

long term, investment if, they are powered by dwindling, non-renewable resources (garbage)? Does the requirement for garbage by the incinerator not undermine the push for reduction and recycling? What is left to incinerate once all recyclable materials are removed from the waste stream? The residual waste remaining would mainly be comprised of certain plastics and other composite materials, which are difficult to separate. The next logical question then would be why aren't these residual plastics or other materials recyclable or reusable? Incineration is an easy solution to deal with the residual problem, but the more sensible approach would be to shift focus back to the root cause of the problem. Extended producer responsibility is one example of shifting the focus back to the source of the problem, with the intention of reducing the amount of waste generated at its source.

A second area of concern is that incinerators are seen as valuable energy producers. The pro-incineration argument of recovering energy from waste does not hold up if we look at the bigger picture. There is more imbedded energy in the waste being incinerated than is recovered. This, in itself, is not sustainable in the long term as most of the garbage is manufactured from non-renewable resources. The energy savings from reducing, reusing and recycling waste greatly outweighs any energy recovered from incinerating it. Again, this argument ties back into the direct conflict of incineration with reduction and recycling initiatives. How can the Government be encouraging waste diversion on one hand (i.e. Ontario 60% diversion by 2008), while on the other hand relying on that very waste that they are trying to divert to provide its citizens with energy.

In closing, I would like to give Dalton McGuinty credit for understanding that his government can help Ontarians be leaders and innovators in waste management solutions, but would recommend that the sensible solution would be to shift the focus away from how to deal with waste through incineration and onto the root of the problem – reducing waste from being generated in the first place.

Ben Dunbar, BES, CEPIT
Environmental Technician
AET Consultants Inc.
#3-504 - 133 Weber Street North
Waterloo, ON N2J 3G9
Phone: (519) 576-9723 Fax: (519) 570-9589
E-mail: bdunbar@aetconsultant.com
Website: www.aetconsultant.com

Golder Associates

Ontario Waste Industry Tackling New Challenges Head-On

Close to 40 municipal and industry waste professionals gathered at the Airport Hilton in Toronto March 22 to hear about options to deal with the new challenges that now face them in the province. The pair of workshops organized by Golder Associates Limited provided morning participants with information about the proposed changes to the environmental assessment process in Ontario, while the afternoon session presented mechanical biological treatment (MBT) as a possible tool in helping meet diversion targets.

The workshop on EA reform included an overview by Golder's Ted O'Neill, a specialist in Environmental Assessment; EA considerations for Energy from Waste projects by Senior Environmental Engineer Martin Rawlings; and the legal implications of the new regulations by lawyer Doug Thompson.

The MBT workshop featured a presentation on the role of organics and MBT in achieving diversion targets by Golder Ontario Region Waste Sector leader Michael Cant and composting expert Paul van der Werf of 2cg Inc.; an overview of MBT Technologies by Andy Wilson of Golder's Maidenhead office in the UK; and a presentation on MBT and stabilized landfills by Francesco Belfiore from the Golder office in Rome, Italy. The afternoon wound up with a discussion on the viability of applying MBT to the Ontario situation.



Left to right: Paul van der Werf (2cg) with Golder staff Michael Cant, Andy Wilson, Ted O'Neil, Francesco Belfiore

For further information on any of these topics, you may contact the following workshop facilitators:

Michael Snow

Global and Canadian Waste Sector Leader, Golder Associates
Phone: 613-592-9600 E-mail: msnow@golder.com



Michael Cant

Ontario Waste Sector Leader

Golder Associates

Phone: 905-723-2727 E-mail: mcant@golder.com

Welcome to New mwin Members

Aird & Berlis

At Aird & Berlis LLP, we recognize that highly specialized environmental expertise must be combined with a broad range of legal disciplines to provide our clients with the highest level of counsel available. That is why we match practitioners in disciplines such as corporate/commercial law, municipal law and litigation with our specialized environmental practitioners. We provide advice that balances sound business decisions with sound environmental legal practices. Every business feels the impact of environmental legal issues and is subject to some degree of environmental regulation. Our team represents clients in the private and public sectors.

Our Environmental Team provides services in the following areas:

- Regulatory intervention training – preparation for potential regulatory intervention to avoid enforcement proceedings through seminars to rehearsals in the field. This service goes beyond the “traditional” extent of legal advice provided by other firms
- Corporate transactions – environmental counsel on transactions of all sizes and complexity involving the purchase or sale of shares and assets, as well as associated financings
- Brownfields redevelopment – as part of the redevelopment team, we provide advice on tax incremental financing; engaging and overseeing technical consultants in the preparation of remedial action plans; Site Specific Risk Assessments and/or Records of Site Condition; dealings with Ministry of Environment and municipal officials; initiating and processing all required applications and approvals
- Defense of environmental prosecutions and other litigation – for large and small businesses charged under federal, provincial or municipal environmental and

related legislation and regulation

- Inspections/investigations and environmental SWAT response – provide practical and creative solutions for dealing with regulatory inspections and investigations and preparation for potential future investigations
- Project management and strategic environmental advice
- Environmental assessments – council to proponents of major infrastructure projects from landfill to electricity transmission system components

Contact:

Adam Chamberlain

Partner

Phone: 416.865.3067

Fax: 416.863.1515

E-mail: achamberlain@airdberlis.com

Bacopo Environmental Solutions

Angelos Bacopolous announces that he has formed Bacopo Environmental Solutions Inc. (BESI), a small consulting firm specializing in waste management and general environmental issues and in government affairs. In addition to managing BSEI, he is working with York/Durham Regions to help them with the Environmental Assessment process they are conducting to site an Energy from Waste facility.

BESI provides consulting services in various areas including:

- integrated waste system analysis
- siting and permitting of transfer stations, composting facilities and MRFs
- collection, transfer and haulage of waste/diversion materials including truck, rail and barge
- disposal site selection, operation, maintenance and closure including landfill, energy from waste, and new and emerging technologies
- waste minimization and recycling including single family, multi family, industrial, commercial and institutional
- composting including aerobic, anaerobic, vermin, windrow and in-vessel
- local and international contacts in the private sector, environmental agencies, and government (both staff and political) at the municipal, regional and federal level
- other general consulting regarding research and development, feasibility studies for the development of sites and facilities, site remediation, environmental management systems, natural resources, remedial action plans, public consultation, hazardous waste development,

management, wind power, site investigations and business development.

Contact:

Angelos Bacopolous, Principal
Bacopo Environmental Solutions
54 Vintage Drive
Whitby, Ontario, L1R 2P4
E-mail: abacopo@hotmail.com
Phone: 905.493.1355 Cell: 905.806.5544

CREATE-SOME-SPACE

CREATE-SOME-SPACE™ and Trash Bag Hangers, manufactures recycle and trash bag hangers to facilitate recycling programs. By helping to save space while keeping waste areas organized and sanitary, it encourages people to recycle more. Almost any size bag can be used, allowing for larger volumes than most recycling bins can provide, while saving space!

Contact:

Mark or Wanda Fitzpatrick
Phone: (905) 372-2552 E-mail: mwfitz@sympatico.ca
www.createsomespace.com

Halton Recycling

Halton Recycling Limited has been a leader in Canada in the field of waste diversion for more than 25 years and has proudly served Ontario residents at its Newmarket organics facility since 2004. HRL acquired the facility in 2003 as part of its plan to help Ontario achieve its 60 per cent waste diversion goal.

The goal of the facility is to divert more than 100,000 tonnes per year of organic waste from landfill, or more than 10 per cent of what is currently being shipped to Michigan each year from the City of Toronto's residents. In addition to less waste ending up in a landfill, greater diversion means reduced greenhouse gas emissions because of fewer trips by the hauling trucks.

The Newmarket facility uses a unique in-vessel technology to transform organics into valuable compost, as well as enough green electricity to power the entire plant, while the excess

power is sold back into the grid.

For more information, contact

Noel Moya

General Manager

Phone: 905-868-8224, ext. 308

E-mail: noelmoya@hrl.ca

Industry Meetings & Events

April 19, 2007

9:00 am to 11:00 am

Waste Diversion Ontario Annual General Meeting

Novotel Hotel, Toronto

For more information, contact:

Laura Price

Phone: (416) 226-5113 Ext. 298

E-mail: lauraprice@wdo.ca

May 22nd, 2007

mwin Board of Directors Meeting

Cobourg, ON

May 23, 2007

mwin Western Hub Seminar

9:00 am – 11:30 am

London

Lessons on Working with the Ministry Of the Environment to Secure Manageable Waste Permits

Speaker: **Rick Mosher**, Conestoga-Rovers & Associates

June 12 – 14, 2007

mwin Annual Meeting & Conference

Managing Change: Perspectives for Waste Management Professionals

Best Western Inn & Conference Centre

Cobourg, ON

Please watch your inbox for details or visit the **mwin** website to download the program and registration information.

If you wish to exhibit, please contact:

Phil Shepherd

Norseman Plastics

Phone: (416) 745-6980 x825

E-mail: pshepherd@norsemanplastics.com

Or

Maryanne Hill, mwin (519-620-9654 or mhill@mwin.org)

To sponsor any annual conference function, please contact:

Tim Murphy

Waste Management Inc.

Phone: (905) 465-4605

Cell: (416) 580-2668

E-mail: tmurphy3@wm.com

Steve Plaice

Jacques Whitford Limited

Phone: (905) 631-3905

Cell: (289) 259-0876

E-mail:

splaice@jacqueswhitford.com

Maryanne Hill, mwin (519-620-9654 or mhill@mwin.org)

The Last Word

Thanks again to **mwin** members Denis Chamberland (Aird & Berlis) and Kathleen Barsoum (Region of Waterloo) for their significant contributions to broadening the knowledge of other **mwin** members at the recent **mwin** Breakfast Sessions. If you are interested in volunteering to share your expertise, please contact me.

Our special guest speaker, **Rick Mosher** from Conestoga-Rovers will be sharing his expertise for successfully working through the process of getting your permits at the May 23rd **mwin** educational event. Watch your inbox for details about *Lessons on Working with the MOE to Secure Manageable Waste Permits* session planned for London.

Clear your schedule so you can attend the **mwin** annual conference. Jam-packed with important information for everyone and fun-filled networking opportunities, the conference is a MUST ATTEND for Spring 2007. Fax or mail your conference registration before May 18th and you will be eligible to win the \$150 prize draw. The draw will be made on May 18th.

As always, I hope that you find our **mwin** *Municipal Waste Matters* newsletter interesting and informative. Please call

me with your ideas for articles or a regular column. This is an excellent way to share information and increase the level of professionalism within the waste management community.

Happy Earth Week!

Maryanne

Maryanne Hill
Executive Director

Tel: 519.620.9654

Cell: 519.651.9838

Fax: 519.620.9678

E-mail: mhill@mwin.org

www.mwin.org



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