

## mwin *Municipal Waste Matters*

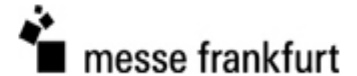
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Vancouver, BC Canada  
November 28 – 29, 2007



**Celebrating 10 years as Canada's ONLY tradeshow  
serving the waste, recycling and public works markets**

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The 10<sup>th</sup> annual Canadian Waste & Recycling Expo is rapidly approaching. This national event is information central for the latest waste and recycling equipment and suppliers. Many waste industry associations are also presenting several seminars, workshops and special events where waste management professionals can learn and network with colleagues.

Five mwin members are presenting seminars. These include:

1. Seminar S1: [A Cross-Canada Review of Emerging & Innovative Ventures in Waste Management](#) (Nov. 28 – 9:30-10:15am) presented by Steve Plaiice, National Practice Director, Waste Services at Jacques Whitford Limited
2. Seminar S4: [Best Management Practices for Small Landfills](#) (Nov. 28 – 9:30-10:15am) presented by Lyle Parsons, Vice President, Environment and Jim Walls, Geoscientist at R.J. Burnside & Associates
3. Seminar S7: [Trends in Extended Producer Responsibility: Developments in B.C. and Elsewhere](#) (Nov. 28 – 3:30-4:15pm) presented by Karen Asp, Senior Environmental Planner at Gartner Lee Limited
4. Seminar S10: [Integrated Solid Waste Management: The Myths & The Realities](#) (Nov. 29 – 9:30-10:15am) presented by Larry Freiburger, Principal, AET Consultants Inc.
5. Seminar S15: [Landfill Gas Recovery & Carbon Management](#) (November 29 – 3:30-4:15pm) presented by Michael Cant, Senior Solid Waste Planner, Ontario Region, Golder Associates Ltd.

- Regional Municipality of Niagara
- Think Plastics
- R.J. Burnside & Associates
- Proctor & Gamble Expert Advisory Panel
- The Compost Report
- New Members
- Industry Events – **mwin** sessions with webcasts
  - Oct. 31/07 – **mwin** Breakfast, Markham
  - Nov. 28-29/07 – **mwin** CWRE Workshops & Luncheon
  - Jan. 23/08 – **mwin** Breakfast, Niagara
  - Mar. 26/08 – **mwin** Breakfast, Sault Ste. Marie
  - Apr. 23/08 – **mwin** Workshop & Tours, London
  - June 2008 – **mwin** Annual Meeting & Conference
- The Last Word

The Annual **mwin** Luncheon at the CWRE is scheduled for noon-2:00 pm on Thursday, November 29<sup>th</sup>. **Global Players – Canadian Contest: *How the Big Players Support Recycling*** will be the topic for our luncheon speakers. Plan to join us to hear how some of the largest retailers and quick food service industry executives elaborate on their programs for reducing waste. If you haven't registered yet please do so quickly because the seminars and luncheon are already well-subscribed and you don't want to miss your opportunity to participate in these sessions. Visit [www.cwre.ca](http://www.cwre.ca) to register.

## 2007-2008 mwin Membership Directory

The new directory is expected to be published and available for distribution to **mwin** members prior to the Canadian Waste & Recycling Expo at the end of November. Any last-minute changes should be sent to Maryanne Hill ([mhill@mwin.org](mailto:mhill@mwin.org) or [meetinglogistics@on.aibn.com](mailto:meetinglogistics@on.aibn.com)) who may be able to have the changes included as an addendum prior to distribution.

## WASTE INDUSTRY NEWS



2cg Inc. is pleased to announce that Mary E. Little, B.A. has joined the firm in the capacity of Senior Consultant.

Mary has been involved with the solid waste industry since 1991 and is recognized as an expert in the areas of solid waste diversion, collection and processing. Her waste management experience ranges from establishing cost effective processing operations and facility design for Material Recovery Facilities and Transfer Stations, to developing integrated waste diversion and collection programs that incorporate flexibility and longevity for municipalities of various sizes.

Mary's hands-on experience with MRF operation, industrial health and safety, human resources, preventative maintenance planning for processing equipment, as well as municipal government structure offers a unique and comprehensive approach to waste management system design and implementation.

2cg Inc. ([www.2cg.ca](http://www.2cg.ca)) has been developing waste diversion solutions, since 1996, for the public and private sectors. Its services include waste auditing; planning and operational support for composting and recycling initiatives; communications and training.

Mary will be working out of 2cg's eastern Ontario office and can be reached at 905-372-4994 or [mary@2cg.ca](mailto:mary@2cg.ca).

## City of Barrie

### [New Commissioner of Community Services](#)

The City of Barrie has appointed Richard Forward, M.Sc., P.Eng. as the new Commissioner of Community Services for the city.

Richard has been employed with the City of Barrie since 1990. Since March 2007 he was the acting Commissioner of Community Services. Prior to this appointment Richard was the Director of Engineering, a position he held since August of 2006. He has also worked in the area of infrastructure design and construction as Project Engineer and Senior Project Engineer, as well as work in long-term municipal works planning as Manager of Infrastructure Planning.

Before joining the City of Barrie, Richard worked with Marshall Macklin Monaghan, a consulting company in Toronto, as a water resources project engineer for three years. He served as a member of the Exempt Employee Advisory Committee, Employee Survey Team and Survey Action Committee as well as numerous technical committees including Intergovernmental Action Plan for Simcoe County, Barrie and Orillia, Lake Simcoe Environmental Management Strategy, and Spadina-York Subway Extension Committee. Richard has a Master of Science in Water Resources Engineering, a Bachelor of Science in Engineering and he is currently completing a Master of Business Administration degree with the University of London, England.

For more information, please contact:

Jon Babulic Richard Forward, M.Sc., P.Eng.  
Chief Administrative Officer Commissioner of Community Services  
739-4220 ext. 4368 739-4220 ext. 4302

### [City of Barrie Landfill Re-Engineering Protects Groundwater Quality](#)

On August 3, 2007 The City officially commissioned the final waste cell at the municipal landfill site. Constructing the final waste cell at the landfill will extend its lifespan to approximately 2017 based on the most recent population projections.

Construction of the final cell began in November 2006 and included the installation of a double lined geomembrane liner and groundwater protection system. The liner system is designed to be impermeable and will provide long term groundwater protection. An under drain system was also installed inside the lined cell which collects water that drains through the waste and directs it to the municipal sanitary sewer system for treatment at the Water Pollution Control Centre.

“The groundwater around the existing landfill site is currently protected by a collection gallery along the east boundary of the property and purge wells along the south side. Controlling landfill leachate at its source is the best means of protecting our groundwater,” comments Craig Hebert, Director of Operations.

“The City of Barrie Environmental Operations Branch is currently developing landfill re-engineering plans that include reclamation and lining of approximately

If you wish to  
contribute  
Articles or  
information

Contact Us at:

Tel: (519) 620-  
9654

Fax: (519) 620-  
9678

[info@mwin.org](mailto:info@mwin.org)

<http://www.mwin.org>

65% of the existing landfill that will help ensure the long term protection of groundwater quality and significantly reduce potential environmental impacts.”

Reclamation is the process of excavating existing waste from the landfill, removing any recyclable material, screening out sand previously used for daily cover and compact the remaining waste back into the landfill. The waste, according to the City’s proposed re-engineering plans, would be blended with new incoming waste and compacted in a reconstructed waste cell built exactly like the new cell. The sand recovered through reclamation would be reused as daily cover.

By removing recyclable materials and using more advanced compaction equipment the reclamation process will also add landfill lifespan which could extend landfill operations to approximately 2024. Waste diversion initiatives such as a pilot multi-residential organics recycling program and an expanded waste electronics and electrical equipment recycling program together with the municipality’s existing waste diversions programs will assist in conserving landfill capacity. “The City of Barrie is taking a proactive approach to environmental protection by considering plans for the long-term protection of groundwater quality associated with the landfill well beyond the active site life,” adds Hebert. “The municipality will continue its environmental leadership through expanded environmental education programs, enhanced community involvement and stronger environmental legislation. All of these initiatives are part of council’s strategic priority of positioning Barrie at the forefront of environmental issues. ”

*For more information, please contact:*

***Sandy Coulter***

Manager of Environmental Operations  
Operations Department  
City of Barrie  
Tel: 739-4220 Ext 5826  
E-mail: [scoulter@barrie.ca](mailto:scoulter@barrie.ca)

**City of Greater Sudbury**

**[Greater Sudbury first Northern Ontario to produce electricity from landfill gas.](#)**

On September 6, 2007 Greater Sudbury became the first Northern Ontario community to produce electricity from landfill gas. The generation plant at the Sudbury Landfill Site is a green initiative that captures methane gas from the landfill site to power a reciprocating engine. The engine then powers a generator which produces electricity for the power grid. The plant will operate at 1.2 MW in 2007, 1.5 MW in 2008 and reach full capacity of 1.6 MW in 2009, the amount of electricity needed to power approximately 1,200 homes.

Landfill gas is produced when organic waste such as kitchen waste, decomposes inside a landfill site. The gas is composed of roughly 50 per cent methane and 50

per cent carbon dioxide and trace amounts of other gases. Methane is a highly potent greenhouse gas which has a Global Warming Potential 21 times greater than carbon dioxide.

The landfill gas collection system consists of perforated piping surrounded by gravel bedding laid in 4,700 metres of horizontal trenches buried 3 metres below the waste. Thirteen secure valve chambers are used to maintain a balance in the field while sample ports allow for the monitoring of the quality and the flow of the gas. A vacuum slowly draws the gas which is being cleaned of impurities before it is sent to the engine.

Under the Provincial Standard Offer Program announced by the Province in 2006, the electricity is sold to the grid for a 20-year term. The City will generate annual revenues of approximately \$500,000.

The City of Greater Sudbury is committed to alternate energy solutions. This project is an excellent example of how to transform waste into an energy source and reduce our impact on the environment.

For further information, contact:

*Danielle Braney*  
Acting Director of Assets and Solid Waste  
City of Greater Sudbury  
T. (705) 674-4455 x4520  
[danielle.braney@greatersudbury.ca](mailto:danielle.braney@greatersudbury.ca)

#### [Personnel Change at the City](#)

As a result of restructuring at the City, Chantal Mathieu is now the Manager of Environmental Services. She can be reached at:

City of Greater Sudbury  
P.O. Box 5000, Station A  
200 Brady Street  
Sudbury ON P3A 5P3

Tel: 705-674-4455 Ext. 4327  
Fax: 705-671-1148  
E-mail: [chantal.mathieu@greatersudbury.ca](mailto:chantal.mathieu@greatersudbury.ca)

#### **[Jacques Whitford Limited](#)**

Established in 1972, Jacques Whitford is an internationally recognized leader in environmental, climate change, sustainability and earth sciences engineering and planning. With executive headquarters in Saint John, New Brunswick, the

employee-owned consulting firm has successfully completed over 100,000 projects in Canada, the United States and internationally. Jacques Whitford continues to grow to provide the most innovative skills, expertise and technology to meet the needs of its clients. Learn more about Jacques Whitford at [www.jacqueswhitford.com](http://www.jacqueswhitford.com)

### [Jacques Whitford Goes Carbon Neutral](#)

Jacques Whitford, one of Canada's largest environmental science and engineering firms, has taken a major step forward in reducing its carbon footprint through a new partnership with the Carbonfund.org Foundation, a leading provider of carbon offset programs.

As of June 1, all of Jacques Whitford's operations and facilities must now become carbon neutral through a combination of conservation efforts and the purchasing of carbon offsets through Carbonfund.org. The non-profit foundation verified the work Jacques Whitford's did to analyze their carbon footprint and recommended investments in carbon-reducing projects such as renewable energy, alternative energy and energy efficiency.

Jacques Whitford is the first major environmental engineering firm to join Carbonfund.org's CarbonFree program. With more than 1,600 employees in 45 offices, Jacques Whitford is demonstrating how larger organizations can minimize their carbon footprint. Jacques Whitford's annual footprint is 8,501 metric tons of carbon which, when offset, is equal to taking 1,840 passenger cars off the road for a year.

"I am very excited to announce our commitment to become a carbon neutral firm," said Bob Youden, Chief Executive Officer of Jacques Whitford. "Our firm is taking responsibility for the effects of our carbon dioxide emissions while working hard to reduce them. This year we will offset the carbon emissions we are not able to eliminate by purchasing offset credits. We believe that all businesses, industries and communities should bear responsibility to minimize environmental effects and pollution."

Jacques Whitford recognizes the importance of addressing climate change on a person-by-person, business-by-business basis, which is why it has moved to immediately offset its greenhouse gas emissions.

"Carbonfund.org applauds Jacques Whitford's leadership and commitment to solving the problem of climate change," said Carbonfund.org executive director Eric Carlson. "Jacques Whitford's carbon reduction and offset program serves as an example for all Canadian companies and is supporting our market transformation to a clean energy future."

Overseeing Jacques Whitford's carbon neutral initiative is Marty Janowitz, the company's first Vice President of Sustainability. Mr. Janowitz was appointed to the position last year and since then has built a strong network of advocates

throughout the company, which has offices across Canada, the United States and the United Arab Emirates.

An important part of that work was the creation of a multidisciplinary team of Jacques Whitford scientists and engineers. Together they analyzed the company's existing greenhouse gas emissions, evaluated options for change and investigated investments in carbon offsets. The next step is the development of a long-term business plan, which will enable Jacques Whitford to meet the highest standards of energy efficiency, environmental performance and sustainability.

"We are currently in the process of setting clear targets to reduce the company's carbon footprint and improve environmental performance in our offices and operations," said Mr. Janowitz. "Our sustainability team is also developing practical step-by-step action plans with employees in every office, to ensure that all levels of the company are aware of this initiative and will work towards its success. Jacques Whitford is leading by doing."

#### [About The Carbonfund.org Foundation](#)

Carbonfund.org is North America's leading carbon reduction and offset organization with offices in the Washington, DC area and San Francisco. Carbonfund.org educates the public about the dangers of climate change and makes it easy and affordable for individuals, businesses and organizations to reduce their climate impact. Carbonfund.org is reducing the threat of climate change by promoting cost-effective carbon reductions and supporting renewable energy, energy efficiency and reforestation projects globally that reduce and offset carbon dioxide emissions. Carbonfund.org works with over 150 corporate and non-profit partners including Dell, Orbitz, Lancôme, Yakima, National Wildlife Federation, Environmental Defense and Working Assets. Learn more at: [www.Carbonfund.org](http://www.Carbonfund.org).

For more information, please contact:

*Amanda Harper Sevonty*

Director, Marketing and Communications

Jacques Whitford

Tel: 905-474-7700 ext. 229

Email: [amanda.harper-sevonty@jacqueswhitford.com](mailto:amanda.harper-sevonty@jacqueswhitford.com)

### **Joe Johnson Equipment Inc.**

As daylight broke on Thursday, September 27<sup>th</sup>, Joe Johnson Equipment employees were already getting ready to welcome their guests with fresh pots of coffees and bright smiles. It was the Grand Opening of their state-of-the-art location in Innisfil ON as well as JJE's first annual Educational Day. Many guests arrived earlier than the 9am start time - as they were excited to take part in the live demonstrations and to walk around and see over 70 units on display. As suppliers and customers milled about, sharing information and educating themselves, Joe Johnson

employees never stopped ensuring that every aspect of the big day went off without a hitch. From the ongoing seminars hosted by industry leaders to the live demonstrations and 25 supplier booths to visit – there was never a shortage of activities to take part in. The afternoon brought big excitement as the Hart Memorial, James Norris Memorial and Conn Smythe NHL trophies were on display and the winner of a Harley Davidson raffle draw was announced!

By end of day, over 700 suppliers and customers had made the trek to JJE's new headquarters in Innisfil, Ontario. It took long and careful planning to get to this one day but all can agree it was well worth it. Many left with their JJE trade show bags brimming with literature and handouts from suppliers. Most asked to be invited next year and all would agree that it was without a doubt – a successful day for Joe Johnson Equipment. Thank you to everyone who made Joe Johnson Equipment's Grand Opening/Educational Day was a rousing success!



Official Ribbon Cutting of JJEI's new headquarters. L-R are the Deputy Mayor and Mayor of the town of Innisfil with Jeff and Joe Johnson.

As many of you may know, Joe Johnson was a founding member of **mwin** and we were very appreciative of the opportunity to set up a small display on this very special occasion.

I'm sure all **mwin** members join me in extending congratulations to Joe & Jeff Johnson and the JJEI staff on their very successful grand opening. We all wish Joe, Jeff and the staff the very best for what we know will be a prosperous future as they all work to help municipalities with their waste management equipment needs.

If you have any questions regarding waste management, please contact **Joe Johnson** at:

Joe Johnson Equipment Inc.

Tel: 705-733-7700

E-mail: [joe@jjei.com](mailto:joe@jjei.com)

### [Joe Johnson Appointed Terex Dealer](#)

Joe Johnson Equipment (JJE) is pleased to announce its appointment as the authorized Terex landfill compactor distributor for Ontario, Atlantic Canada and Manitoba.

Please call JJE to learn why the “Trashmaster” by Terex is the most efficient and economical compactor in the landfill industry.

JJE sells, leases, rents and services best-in-class mobile environmental equipment across Canada. Joe Johnson Jr., President, noted that “after much research, we concluded that Terex’s Trashmaster Landfill Compactor line is a natural fit to the Joe Johnson Equipment refuse product mix”. With parts and service locations in Ontario, Atlantic Canada and Manitoba, you can be assured that JJE will be at your service when you need it most. For more information, call Joe Johnson Equipment Inc at 1-800-263-1262 and ask to speak to Jeff Johnson or Bill Heinrich.

Terex website: [www.terex.com](http://www.terex.com)

Joe Johnson Equipment website: [www.JJEI.com](http://www.JJEI.com)

## **[Molok North America Ltd.](#)**

### **[Algonquin Park Uses MOLOK System](#)**

In the late autumn of 2006, Algonquin Provincial Park in Canada was seeking proposals for a waste management system within the busy park that could effectively meet their needs of waste collection while enhancing their efforts at collecting source separated recyclable materials such as glass, metal, plastic, paper and organics. Working in cooperation with the Ottawa Valley Waste Recovery Centre located near Ottawa, a proposal was submitted to the park which would see MOLOK North America supply and install their unique in-ground bins and Ottawa Valley provide the collection service and processing of recyclable materials.

From a waste management perspective, Algonquin Park, Ontario’s busiest provincial park, offered its own set of challenges. As a refuge from our urban way of life, Algonquin's campgrounds, day-use areas and interior trails and canoe routes see over 1,000,000 visitors from Canada and abroad, most of which come during the period from May to October. Amongst the various wildlife that inhabit Algonquin is the Black Bear. This furred mammal averages 135kg in weight and has a ferocious appetite for almost everything edible including . . . garbage.

To help solve the problem of waste collection in areas of Canada where there are populations of bears, several years ago MOLOK North America developed a specialized bear-resistant lid for use in Western Canada. This proved to be successful in deterring bears from accessing the containers. Making use of the bear-resistant lid and MOLOK technology, Ottawa Valley submitted its proposal to Algonquin in the early winter of 2007 for consideration, using bins installed along the main highway points within the park. These groups of bins would be used to collect waste, mixed recyclables including tin, plastic, glass, paper, and organics. The bins would be collected by Ottawa Valley staff and the material would be returned to their processing centre for sorting, cleaning and reuse.

In the early spring of 2007 Ottawa Valley's proposal was accepted. During the early summer of 2007, 137-MOLOK containers were installed throughout the park. The park switched from its conventional collection methods on July 3<sup>rd</sup> and the system has become an instant success, both from the perspective of the acceptance by users, and by amount of recyclables that have been collected.

"Feedback from Park visitors has been very positive", says Algonquin Park Planner Tracey Harper, "not only is the system easy to use, but early indications are that the new MOLOK system will help us to meet our waste diversion targets."

Ottawa Valley Waste Recovery Centre General Manager Susan Campbell is also pleased with the system. "We are very happy with the quality of material coming from the recycling, fibre and organics bins" Campbell says, "the diversion rates seem to be high and the contamination rate is low."

With its first summer in operation now behind it, Algonquin is shifting gears in preparation for its busy fall season which brings thousands of day-use visitors into the park to enjoy the fall colors and wildlife. The MOLOK's have stood up very well to the intense use they have received and they have frustrated more than one black bear along the way.

For more information about the Molok system, please contact:

***John Acheson***

Sales Manager

Molok North America Ltd.

Tel. (519) 323-9909 Cell: (519) 323-6980 E-mail: [john.acheson@molokna.com](mailto:john.acheson@molokna.com)

## **Municipality Of Sioux Lookout**

There has been a personnel change in Sioux Lookout. Former Sioux Lookout official representative Larry Spyrka is now responsible for water/waste water in the municipality.

**Mario Rasetti** is the new Manager of Public Works for Sioux Lookout and can be reached at:

Tel: 807-737-2700 E-mail: [Mario.reasetti@slkt.net](mailto:Mario.reasetti@slkt.net)

## **OE Gasification**

### [Gasification of Municipal Solid Waste works](#)

OE Gasification announces that its South Korean Partner, Kentec Engineering, will have 3 new gasification plants operating this year, bringing to 7 the number of

gasification plants using the SK1000 gasification technology for the thermal treatment of municipal solid waste in South Korea.

“The success of this technology lies in the consistent reliability of the plants and the low emission levels”, say Mr. Kim Sung Chun, President of Kentec Engineering. “The plants are easy and safe to operate, and have gained the public’s trust”.

Kentec Engineering built its first plant in 2001 to prove that the technology works, and got its certificate of approval. The second plant become operational in 2003, and now five will have been commissioned in 2006 and 2007.

“This is exciting news for OE Gasification”, say Jan d’Ailly, CEO of OE Gasification, based in Waterloo, Ontario. “With the growing interest in scale gasification as a part of a comprehensive waste management strategy for Ontario, the experience in South Korea shows that the SK1000 gasification technology is reliable and proven to cost effectively handle Municipal Solid Waste”.

#### Gasification Plants running in the SK1000 technology in South Korea

Project Name	Location	Size Tonnes/day	Plant Operator	Date Operational
Bosung I	Bosung	20	Kentec	2001
Heanam	Heanam	25	Kentec	2003
Gangjin	Gangjin	25	Kentec	2006
Bosung II	Bosung	25	Kentec	2006
Pyungshan	Pyungshan	20	Kentec	2007
Geochang	Geochang	30	Kentec	2007
Hapchon	Hapchon	20	Kentec	2007

The SK1000 is a modular gasification technology was developed in Norway, and is ideally suited to applications requiring up to about 150 tonnes per day of waste.

For further information contact:

*Jan d’Ailly*

OE Gasification

Tel: 519 884 9170

E-mail: [jdaily@organicenergy.ca](mailto:jdaily@organicenergy.ca)

or

*Kim Sung Chun*

Tel: +82 (11) 9750 1280

E-mail: [sckim@kentec.co.kr](mailto:sckim@kentec.co.kr)

### **[Quatrex Environmental Inc.](#)**

#### **[Storage and Handling of your Hazardous / Special Waste](#)**

Communities throughout Ontario continue to get better at the collection and handling of hazardous / special / house hold wastes. Through the use of structures

listed in the Underwriter's Laboratories of Canada Other Recognized Document - ULC/ORD-C142.6, communities have the protection required to ensure compliance to the Ministry of the Environment [MOE] environmental protection act & regulations, the Ministry of Justice [MOJ] (Ontario Building and Fire Codes) and the Ministry of Labour [MOL] (Industrial Establishments Regulation).

Many smaller communities without the same resources as the larger centers may not be as familiar with the building code, fire code and industrial establishment's regulations for the safe storage and handling of Dangerous Goods and Hazardous/Special wastes. In some cases, communities which have purchased storage devices (e.g. retrofitted shipping containers) without taking out a building permit and seeking the approval from their local MOJ & MOL may, in fact, not be in compliance with all the Provincial regulations governing the safe storage and handling of Dangerous Goods and/or their waste stream. As has always been the case, the Ontario Ministry of the Environment may issue a permit of approval for a device that may or may not meet the other regulations within the Province of Ontario. It is important to seek the advice of a fire protection engineer, the local contacts within the MOJ, MOL and MOE when looking for a site to store dangerous goods, hazardous materials, household hazardous waste, and special wastes.



"Quatrex HHW building City of Hamilton 2006"  
(L-R: Graeme Cameron, Patrick Paradis, and Rene Lavoie)

Quatrex provides a complete assessment service for its clients and prepares appropriate documentation required by authorities with jurisdiction over the approvals process.

If you would like a copy of the ULC/ORD-C124.6 listing document or other information, please contact:

***Graeme Cameron***

Manager

Quatrex Environmental Inc.

1011 Haultain Ct. Unit 16

Mississauga, On L4W 1W1

Tel: (905) 848-1039 or (866) 782-8739

E-mail: [camerong@quatrex.ca](mailto:camerong@quatrex.ca)

Or

Patrick Paradis  
Quatrex Environmental Inc.  
1345 Dagenais Ouest  
Laval, QC H7L 5Z9  
Tel: (450) 963-4747 or (800) 967-3002     E-mail: [paradisp@quatrex.ca](mailto:paradisp@quatrex.ca)

## **Regional Municipality of Niagara**

*Peter Kryger* has joined the Region as the Coordinator of Waste Management Regulations in the Waste Management Services Division. He has joined and plans to become actively involved with the **mwin** Government Regulations / Advocacy Committee.

Contact Peter at:

Peter Kryger  
Regional Municipality of Niagara  
2201 St. David's Road  
Box 1042  
Thorold, ON L2V 4T7  
Tel. (905) 685-4225 Ext. 3730     Fax: (905) 687-8056  
E-mail: [peter.kryger@regional.niagara.on.ca](mailto:peter.kryger@regional.niagara.on.ca)



### [Scrap Agricultural Film Collection Surpasses 1,000,000 Pounds!](#)

Think Plastics Inc. of New Hamburg, Ontario has collected more than one-million pounds (or 454 tonnes) of scrap polyethylene bale wrap and greenhouse film from across southern Ontario.

“Imagine an entire football field stuffed with plastic film – piled more than four-foot high”, said company President Chuck Sparks. “Imagine that plastic in the landfill. Imagine it being burned. That’s what would be happening without our collection and recycling program. This is a remarkable milestone.”

Millions of pounds of the white polyethylene film are sold each year in Ontario to wrap hay bales in farmers’ fields and to cover greenhouses.

Think Plastics Inc. established its all-white bale wrap collection program in 2005 with 11 landfill or transfer station sites. Today 30 sites are participating and all have waived tipping fees for farmers. Farmers are simply required to shake the wrap to remove major clumps of dirt and stones. Think Plastics picks up the

material with a modified compactor truck.

mwin member, Southgate Township spearheaded the bale wrap program by opening transfer station sites in Egremont and Dundalk. "The reason Southgate got involved is we wanted to show leadership as we believe Think Plastics simply has the best solution environmentally to assist our community with the tons of bale wrap we receive", Mayor Don Lewis commented.

Connon Nurseries west of Waterdown also became involved in Think's collection program two years ago. Today five large nursery operators are participating.

The scrap plastic is recycled at Think Plastics' New Hamburg facility and extruded into solid polyethylene lumber called "Baleboard". Baleboard is manufactured in five sizes: 2" x 4", 2" x 6", 4" x 4" and two rounded boards ideal for decks and docks. They can be used in any non-load bearing application where wood and wood composites are used.

The company also manufactures "Nusheet", a flexible 4' x 8' off-white sheet made from recycled greenhouse film. Nusheet is ideal for lining barn walls, horse stalls, trucks and sheds. Fourteen retail distributors currently carry both products.

"Think Plastics represents the type of forward thinking and innovation that Canada needs to succeed. Their success in both business and protecting the environment is laudable" said Kitchener-Conestoga M.P. Harold Albrecht, who represents the riding where the company is based.

Details about Think Plastics' collection and recycling program and its finished products are available online at [www.baleboard.ca](http://www.baleboard.ca)

*For further information contact:*

*Lisa Lackenbauer*

Vice-President

Think Plastics Inc.

Tel: (519) 662-6665 or 1-866-516-BALE

Email: [info@thinkplastics.ca](mailto:info@thinkplastics.ca) Website: [www.baleboard.ca](http://www.baleboard.ca)

## **R.J. Burnside & Associates**

### [Landfill Operators Training Course For Management of Small-to-Medium-Sized Landfills](#)

R.J. Burnside is requesting individuals who are interested in this training course to contact Lyle Parsons. This course aimed at municipal operators, senior management staff, and politicians who are responsible for landfills serving populations from 500 to 75,000 people. The course includes training by legal and professional staff from other firms. Burnside is issuing this notice to gauge interest

of for a course to be held in your area. Space is typically limited and a minimum number of attendees must be confirmed before the course will be offered in your area.

This two-day course will provide relevant and practical information for operational staff, management staff and municipal councilors on the key issues and basics of legislative and regulatory requirements. It will identify proper operational and management procedures, how to deal with potentially hazardous materials at a solid non-hazardous site and provide information on typical landfill contaminants - their monitoring and control. Trainers will provide valuable advice on dealing with the regulators of landfills. The course will help municipalities and their staffs develop knowledge and understanding of proper management of small landfill sites in Ontario. It is an important part of due diligence efforts needed for the operation of landfills today. Our team of trainers will also provide sessions on site capacity assessments, landfill liability and the benefits of strategic planning for your solid waste programs. A tickler presentation on alternative technologies will also be included. If you are interested in our team presenting the course in your area please contact:

***Lyle Parsons***

Vice President, Environment

R. J. Burnside & Associates Ltd.

Tel. 519. 925-1790 E-mail: [lp Parsons@rjburnside.com](mailto:lp Parsons@rjburnside.com)

## **Expert Advisory Panel On Sustainable Fabric Care Initiatives Struck by Proctor & Gamble**

Proctor & Gamble has convened this panel of leading Canadian experts to advise the company on sustainability initiatives for its fabric care business. The independent, voluntary panel comprises six thought-leaders in the field of sustainability, the environment and consumer advocacy. P&G feels that the advice provided by these external experts will help them communicate important environmental sustainability initiatives with their consumers.

The members of P&G Canada's Expert Advisory Panel include:

- **mwin** member, ***Barry Friesen***, Director, Waste Management Services at the Regional Municipality of Niagara
- **mwin** member, ***Chris Benedetti***, Chair, Recycling Council of Ontario
- Johanne Gélinas, Partner, Corporate Responsibility & Sustainability in Deloitte
- Michael Lio, Executive Director, Consumers Council of Canada
- Ken Ogilvie, Executive Director, Pollution Probe
- John Wiebe, PhD, President & CEO, GLOBE Foundation of Canada

Proctor & Gamble concluded a test of "2X" concentrated liquid laundry detergents, including Tide, Gain, Cheer, Era and Dreft in Cedar Rapids, Iowa. The successful

test market effort has solidified the company's plan to convert its entire liquid laundry portfolio to a 2X compacted format in Canada and the U.S. The compacted formulas and smaller bottles allow for increased efficiency across the entire supply chain, including reduced fuel consumption and warehouse space usage, as well as a 22% to 43% reduction in plastic packaging. Further, new formulas also use up to 44% less water than previously required (based on the product formula for Tide).

If you have any questions about the P&G initiative, please contact:

***Barry Friesen***

Director, Waste Management Services

Regional Municipality of Niagara

Tel: 905.685.4225 Ext. 3642 E-mail: [barry.friesen@regional.niagara.on.ca](mailto:barry.friesen@regional.niagara.on.ca)

## **THE COMPOST REPORT**

Paul van der Werf's (President, 2cg Inc.) column will return in the next issue of **mwin** *Municipal Waste Matters*. You can contact Paul at:

Paul van der Werf

Tel: (519) 317-7733 E-mail: [paulv@2cg.ca](mailto:paulv@2cg.ca)

## **NEW MEMBERS**

We are pleased to welcome the following new members:

***Doug King***

Member Class: Individual Member

Tel: 416.678.2428

E-mail: [douging@sympatico.ca](mailto:douging@sympatico.ca)

**County of Norfolk**

Member Class: Municipality - 50,000-100,000 pop.

***Jennifer Wilson***, Supervisor, Waste Management

Public Works & Environmental Services

183 Main Street of Delhi, Delhi, ON N4B 2M3

Tel: 519-582-2100 or 519-428-0020 Ext. 1503

E-mail: [jennifer.wilson@norfolkcounty.ca](mailto:jennifer.wilson@norfolkcounty.ca)

**Hruska Associates**

Member Classification: Consultant/Legal

***Joe Hruska***, President

32 Dolman St., Hamilton, ON

Tel: 905.561-3595 Cell: 416.930.1796

E-mail: [jhruska@cogeco.ca](mailto:jhruska@cogeco.ca)

**Quatrex Environmental Inc.**

Member Classification: Equipment Manufacturers  
& Distributors

***Graeme Cameron***, Manager

1011 Haultain Ct. Unit 16

Mississauga, On L4W 1W1

Tel: 905.848-1039 or 866.782.8739

E-mail: [camerong@quatrex.ca](mailto:camerong@quatrex.ca)

Trow Associates Inc.  
**John Smith**, Consultant  
1595 Clark Blvd.  
Brampton, ON L6T 4V1  
Tel: 905.793.9800

Member Classification: Consultant/Legal

E-mail: [john.smith@trow.com](mailto:john.smith@trow.com)

## INDUSTRY EVENTS

October 20, 2007 AMRC Material Quality Workshop, Oakville  
Visit: [www.amrc.guelph/events](http://www.amrc.guelph/events)

October 31, 2007 - **mwin Information Breakfast** – Ontario Room, Town of Markham & webcast

Topic: ***Proposed Landfill Gas Regulations & Greenhouse Gas: What's it all about? How will it affect you?***

The proposed Landfill Gas Collection and Control Regulation was introduced by the Government of Ontario on August 9, 2007. The government's stated purpose for this regulation is to reduce landfill gas emissions to the atmosphere to help meet Ontario's greenhouse gas reduction targets. It believes that reducing landfill gas emissions will also reduce the emission of trace compounds in landfill gas that may cause odour or affect local air quality.

Larry Wilcox from the Ministry of the Environment will clarify the content of the proposed regulation and answer questions from session participants. Michael Cant will explain what carbon trading is and how this proposed regulation will affect greenhouse gas or carbon credits trading in Ontario. He will be available to answer questions on this complex topic.

Speakers:

**Larry Wilcox**, Sr. Engineer, Waste Management Policy Branch, Ministry of the Environment

**Michael Cant**, Senior Solid Waste Planner, Ontario Region Waste Sector Leader, Golder Associates Inc.

November 1-8, 2007 OWMA/SWANA joint Training Course & Landfill Symposium. Visit <http://www.owma.org/db/newsinfo.asp?mode=vi&it=2&itemid=301> for more information

November 4-8, 2007 Landfill Symposium/SWANA Training Courses  
Visit: <http://www.owma.org/db/newsinfo.asp?mode=vi&it=2&itemid=285>

- November 10, 2007 Ontario Recyclers Workshop, Toronto  
For more information visit:  
[http://www.stewardshipontario.ca/eefund/orw/orw\\_main.htm](http://www.stewardshipontario.ca/eefund/orw/orw_main.htm)
- November 28-29, 2007 Canadian Waste & Recycling Expo  
Vancouver Convention Centre, Vancouver, BC  
Five (5) mwin seminars will be delivered:
- S1: *A Cross-Canada Review of Emerging & Innovative Ventures in Waste Management*, Jacques Whitford Limited
- S4: *Best Management Practices for Small Landfills*, R.J. Burnside & Associates
- S7: *Trends in Extended Producer Responsibility: Developments in B.C. and Elsewhere*, Gartner Lee Limited
- S10: *Integrated Solid Waste Management: The Myths & The Realities*, AET Consultants Inc.
- S15: *Landfill Gas Recovery & Carbon Management*, Golder Associates Ltd.
- November 29, 2007 Annual mwin Luncheon at CWRE  
*Global Players - Canadian Context: How the Big Players Support Recycling*
- January 23, 2008 - **mwin Information Breakfast** – Niagara Region with Provincial webcast  
Topic: *How to make informed and affordable waste management decisions: The Waste Management Decision-Making Models* (incl. OMBI, GAP, Golder)  
Speaker(s): *Maria Kelleher*, Kelleher Environmental  
*Michael Cant*, Golder Associates Inc.
- March 26, 2008 - **mwin Information Breakfast** – Sault Ste. Marie with Provincial webcast  
*Waste Collection Best Practices that Result in Good RFPs & Tenders and Fair and Affordable Contracts*  
Speaker: *To be Named*
- April 23, 2008 - **mwin full day Workshop & Site Visits** – London (lecture portion will be webcast)  
Topic: *Organics Collection and Its Impact on Waste Collection* plus site tours of Orgaworld and Try Recycling  
Speaker: *Tej Gidda*, Conestoga-Rovers & Associates Ltd.

June 10-12, 2008 - **mwin Annual Meeting & Conference** - Niagara Region  
For sponsorship or exhibitor information please contact:

**Maryanne Hill**, Executive Director, **mwin**

Tel: 519.620.9654 E-mail: [meetinglogistics@on.aibn.com](mailto:meetinglogistics@on.aibn.com)

## THE LAST WORD

The **mwin** Government Regulations/Advocacy Committee has been busy ensuring that the municipal interest is represented at the Ontario Ministry of the Environment. The committee discussed and **mwin** has sent comments regarding EBR Registry #010-1259, the **Draft Code of Practice on Preparing and Reviewing Environmental Assessments in Ontario**. These comments stated that **mwin** has long advocated the need for more certainty, transparency and consistency in Ontario's environmental assessment process for waste management projects. We also commented that together with the Waste Projects Regulation and the Terms of Reference Code of Practice, this Draft Code of Practice addresses those goals appropriately and reflects and codifies current environmental assessment practice in Ontario.

This committee is also meeting to craft a response to the proposed **Landfill Gas Collection and Control Regulation**. We are meeting with various waste management organizations to identify areas of concern and joint agreement as well as determine how best to frame the response to minimize negative impacts on municipalities. We will provide you with a summary of our comments when they are finalized.

The **mwin** Education/Training committee, chaired by **Tej Gidda** (Conestoga-Rovers) has also been busy and has prepared an excellent schedule of events for the remainder of the **mwin** fiscal year. Events will be delivered in physical locations as well as via teleconference/web so you can participate from the comfort of your own desk if time or budget won't allow you to join us in person. For those who are able to be present we will also be arranging interesting site tours for each session. Make sure to check the events section on the website ([www.mwin.org](http://www.mwin.org)) for details. E-mail broadcasts will be sent so no one will miss these sessions.

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.

All the best for Waste Recycling Week.

**Maryanne**

Maryanne Hill, Executive Director

Tel: 519.620.9654

Cell: 519.651.9838

Fax: 519.620.9678

E-mail: [mhill@mwin.org](mailto:mhill@mwin.org) or [meetinglogistics@on.aibn.com](mailto:meetinglogistics@on.aibn.com) Website: [www.mwin.org](http://www.mwin.org)



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