

Connector

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Recycling Council
of Alberta

www.recycle.ab.ca



First Annual Curling Funspiel

The RCA hosted their first curling funspiel, Friday, February 12 at the Saville Sports Centre in Edmonton. Six teams of eager curlers took to the ice for 10 ends of funspieling.

Although there were several seasoned curlers in the group, the majority of participants were beginners. What these new curlers lacked in experience, they more than made up for with their enthusiasm. After the games, participants and guests shared in some celebratory cheer and sustenance at the Waste-Not Lounge.

A great big thank you to the prize donors: eCycle Solutions, APRA, BCMB, and the RCA. Based on the enthusiastic support of this event, the RCA looks forward to hosting more funspiels in the future.



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**Interested in starting up a
Recycling Centre in your community?
Don't know where to start?**

The Recycling Council of Alberta's Recycling 102 Presentation is just what you need!

Invite one of our local industry speakers out
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RCA Member Profile

Allied Paper Savers: Local Recycling Company Keeps It In Alberta



Allied Paper Savers Inc. has been providing a local recycling process for over 30 years. Allied Paper Savers Inc., an operating division of Can-Cell Industries Inc., is located in Edmonton, Alberta.

Allied Paper is one of the largest privately-owned fibre recycling and processing facilities in Western Canada. Allied sources and purchases recycled fibre material from recyclers across western Canada. Over 50,000 metric tons of fibre materials are processed each year in their facility. Approximately one half of all material processed is old newsprint, which is cleaned of contaminants and used as the base material in manufacturing cellulose insulation products at our Can-Cell Industries manufacturing plant.



Can-Cell Industries Inc. insulation products are sold under the trade names of "Weathershield" and "WallBar". Other paper-based products such as "Fibramulch", which is used as a base for planting grass and soil stabilization over large areas, are also manufactured.

It is very important for us to manufacture a superior insulation product. Our commitment to achieve these standards is dependent on using premium quality, clean newspaper. Unfortunately, clean newsprint is becoming harder to obtain as communities continue to introduce single-stream, blue bag and curbside collection services. When you allow plastic, glass and tin to be mixed in with fibre, the paper becomes extremely contaminated. Even the large mega-facilities that have been set



up to process single-stream material cannot adequately remove enough of the contaminants to produce a product that is acceptable for our requirements. Lower grades of recycled product are being produced from these programs, which dramatically affect the end usage and recovery. Convenience does not always equate with the reality of the end product being produced and does negatively affect its value.

Even with the higher quality newsprint Allied purchases, a final sort must be performed at their facility to ensure all contaminants are removed before supplying the final product for the manufacturing process.

Can-Cell Industries and Allied Paper are very proud to be Alberta-based companies, employing over 45 full-time positions in our plants, and providing quality insulation products.

Local recycling is alive and well with recycled newsprint being used effectively in Alberta for Albertans.

Please visit our websites for further information: www.alliedpaper.com and www.can-cell.com



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Think Green Success Story

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Olympic Medals Made With Electronic Waste

Their undulating forms evoke British Columbia's mountains, ocean and snow. Their faces are drawn from West Coast First Nations artwork depicting the orca and raven. Each is unique and their substantial size gives them a significant presence. Meet the medals of the Vancouver 2010 Olympic and Paralympic Winter Games – made with metals reclaimed from e-waste!

Making the 2010 Winter Games medals was a two-year project because they're so unique. It was a collaborative effort between Canadian Aboriginal designer/artist, Corinne Hunt, internationally renowned industrial designer, Omer Arbel, the Royal Canadian Mint, Teck Resources Limited, and VANOC's in-house design team. Together, this team created medals that reflect the magnitude of the accomplishments they represent. They are among the heaviest medals in Olympic and Paralympic history, weighing between 500 g to 576 g, depending on the medal. As for size, the Olympic medals are 100 millimetres in diameter and about 6 mm thick, while the Paralympic medals are 95 mm wide and about 6 mm thick.

The blueprints for these medals are based on two large master artworks (Olympic and Paralympic) from which each of the medals was hand-cropped. No crop is the same as another so that ensures every medal is unique. The master artworks were created by Corrine Hunt, a Vancouver, BC-based artist of Komoyue and Tlingit heritage. Hunt chose the orca as the motif for the Olympic medals, and the raven as the motif for the Paralympic medals. The Olympic medals are circular in shape, while the Paralympic medals are a superellipse or squared circle.



As part of an effort on behalf of the country of Canada and the International Olympic Committee to reduce waste and produce a more efficient and sustainable Olympic Games this winter, all of the Olympic medals awarded are made partially from recycled e-waste. The Royal Canadian Mint produced 615 Olympic and 399 Paralympic medals for the 2010 Winter Games at their headquarters in Ottawa, Ontario. Using over 140,000 tons of electronic waste that otherwise would have ended up in Canadian landfills, as well as metals extracted from their mines, Vancouver-based Teck Resources supplied a total of 2.05 kilograms of gold, 1,950 kilograms of silver, and 903 kilograms of copper used in the production of the medals. The content of recovered metal from the e-waste material in the specific medals is: Gold: 1.52%; Silver: 0.122%; Copper: 1.11%. E-waste materials used in the Olympic medals include metals from cathode ray tubes and circuit boards. This is the first time that any recycled material has been used in the production of Olympic medals.



Source:
Product Stewardship
Update, Teck, and
Vancouver2010.com

Do you have a Waste Reduction Success Story?

Submit details on your successful business or municipal program to info@recycle.ab.ca, fax 403.843.4156 or phone 403.843.6563 for further details.

RCA Developing a GHG Protocol for Recycling

In July 2007, the Government of Alberta passed the *Specified Gas Emitters Regulation* (SGER), requiring facilities that emit over 100,000 tonnes of carbon dioxide equivalent per year to reduce their greenhouse gas emissions intensity 12% below their 2003-05 baseline.

One of the compliance options regulated facilities have is to purchase Emissions Offsets for greenhouse gas reductions occurring off-site. However, emissions reductions must be real, demonstrable, quantifiable, and measurable based on accurate estimation using replicable techniques. This led to the Alberta Offset System, which requires compliance-based offsets to be created and verified according to a Government-approved Quantification Protocol. A Quantification Protocol allows project developers to save costs and reduce risk by ensuring greenhouse gas (GHG) reductions quantified from a particular project type meet all the requirements of the Offset System. It provides clarity and consistency for measuring, monitoring and verifying emission reductions, and enhances the transparency, integrity and credibility of the Offset System.

To date, Alberta Quantification Protocols have been developed for landfill gas extraction, composting and thermal waste conversion. As an advocate of the environmental benefits of recycling, the RCA identified a gap in the lack of a protocol that addresses recycling.

The responsibility for protocol development lies with the project developer, or proponent. Since the potential beneficiaries of a Recycling Protocol are many and varied, from municipalities to recyclers, there is no obvious single

proponent. The Board of the RCA determined that they were the most obvious choice to develop the protocol, on behalf of those who promote recycling, and those who would potentially benefit from a Recycling Protocol.

Developing a Recycling Protocol is not going to be a simple process. The GHG benefits of recycling over disposal alternatives are significant and well documented, however the chain of custody of potential credits is less clear. We also face the added challenge that many of the ultimate offsets occur outside the province, which places them outside the official boundary of the system. However, Alberta Environment has indicated strong support for what we are trying to achieve, and will work with us to negotiate the development process. Our work in this area will be ground-breaking, as we have not been able to identify a GHG offset protocol for recycling anywhere in North America.

Unfortunately, the process is also not going to be an inexpensive one, and costs are the responsibility of the project developer. The RCA is currently investigating various funding avenues, including grants and foundations. Organizations who feel they stand to benefit from the development of a Recycling Protocol in Alberta, and would like to contribute to this project, are invited to discuss funding opportunities with Christina Seidel or any RCA Board member.

Members who have an interest in this project are also invited to get involved in the process. Anyone who would like more information is welcome to contact Christina at the RCA office to find out more.

New Name for KC

KC Environmental Group Ltd. is excited to announce our name change to Advanced Enviro Engineering Ltd. Since 1992, our team has worked hard to provide practical, efficient and effective solutions for business and environment.

Our new name better reflects the level of service, expertise and cost-effective solutions that we provide:

- Environmental Site Assessment (Phase I, II and III)
- Integrated Waste Management, Environmental Audits
- Composting and Waste Diversion Systems
- Public Communication Programs for Environmental Strategies

Our sister company, Cleanit Greenit Composting Systems Inc. in west Edmonton, accepts a full range of organic wastes.



Waste Reduction Week in Canada

October 18-24, 2010

www.wrwcanda.com



TM and © 2009 Sesame Workshop

Planning for Waste Reduction Week (WRW) 2010 campaign is now in full swing. Through the theme “Too Good To Waste”, this program is intended to raise public consciousness about waste and its environmental and social ramifications.

From waste audits, presentations and challenges to composting organics, promoting reuse fairs and proclaiming WRW, Albertans have been getting

involved since 2001.

Waste Reduction Week provides an excellent opportunity to encourage and showcase waste reduction activities and events within your organization or community.

How are you going to celebrate WRW? Tell us about your plans for the 2010 campaign and make every week WASTE REDUCTION WEEK!



CleanFARMS™ to Build on Successful Agricultural Waste Programming

The new organization CleanFARMS™ Inc. was officially launched on February 1st, 2010 to build on successful agricultural stewardship programs started by CropLife Canada, Canada's plant science industry trade association, more than 20 years ago.

A non-profit industry stewardship organization, CleanFARMS™ Inc. is committed to environmental responsibility through the proper management and disposal of agricultural waste.

CleanFARMS™ Inc. will continue to deliver the highly successful empty container and obsolete pesticide collection programs, but will also look at developing new programs to help reduce, reuse, recycle and safely dispose of other agricultural wastes.

Leading CleanFARMS™ Inc. will be general manager, Barry Friesen, who has a long history of leading recycling and waste management programs. “Today's farmer knows that recycling agricultural waste makes sense and that taking part in CleanFARMS™ Inc. programs is easy to do. That's why the industry's programs have been so successful and it's also why we believe there will be opportunities to do more,” Friesen said.

For more information, visit www.CleanFARMS.ca



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ECCO Waste Systems: Material Recovery Facility Open House

ECCO Waste Systems held an open house in December to announce enhancements to its 24th Street Dry Waste Disposal facility in Calgary. Since incorporation in 1994, the business has expanded to include the development of other waste disposal sites and the recycling of Construction and Demolition (C&D) and Industrial, Commercial and Institutional (ICI) waste through ECCO Chips and ECCO Pave.

ECCO Chips produces a high-quality, non-toxic wood mulch product by grinding and drying waste wood. ECCO Pave is a more recent joint venture that recycles asphalt shingles for use in paving. In addition to these ventures, ECCO Waste also conducts some limited sorting and recycling of co-mingled loads in support of the LEED program. However, recent political and societal trends towards increasing environmental sustainability and decreasing reliance on landfills have provided support for an exciting new expansion of recycling operations at ECCO.

In late 2010, ECCO Waste will open a Material Recovery Facility (MRF) for dry waste at the 24th Street site. The Province of Alberta and the City of Calgary have both indicated intentions to decrease the amount of waste that enters area landfills through more stringent regulations and financial incentives. This expansion provides a means of economically achieving these goals.

For developers and builders, the MRF will fill an important gap in Calgary waste management. It will be the first of its kind in Calgary and will provide an easy and efficient way to meet new C&D waste reduction/recycling

targets. ECCO Waste Systems will be able to guarantee that more than 50% of waste delivered to the site will be recycled.

For haulers, the introduction of the MRF will make depositing waste at the ECCO site simpler and faster compared to current operations and competing sites. As it is currently conceptualized, after unloading on the tipping floor, unwanted materials will be removed prior to the wastes being loaded into a slow speed grinder. This grinder will shred the material to a 24" minus size for easy handling. A vibratory screen will remove the 2" minus fines (conveyed outside), with the residual conveyed through a belt magnet to remove metals prior to the material being sorted by pickers on a 60" rubber belt.

The material is sorted by hand by pickers who deposit the assigned material into one of two adjacent disposal station hoppers where it either falls into a bulk materials bunker below or is conveyed on an underside conveyor back to the clean wood bunker for later grinding and colouring.

At the end of the sorting conveyor is a slow speed grinder that shreds the unpicked or residual material to a maximum of 6". This is then screened into 6" to 1 1/2" for Alternate Daily Cover (ADC) for use in landfills, and then ground in two high-speed grinders to 1 1/2" to 1/4" to produce Process Engineered Fuel (PEF) for use in biomass energy facilities.

For more information, contact Alec McDougall President, ECCO Waste Systems Ltd., at 403.720.3855 or visit www.eccowaste.com.

Earth Hour Call to Action

Take action on climate change! Take part in Earth Hour.

Earth Hour happens Saturday, March 27 from 8:30-9:30 pm. At that time, businesses and homeowners around the world will be turning off or dimming their lights for one hour to support action on climate change.

The City of Edmonton will be hosting a family-friendly Earth Hour event on March 27 from 7:30-9:00 pm. Edmontonians will gather in front of City Hall to enjoy great local entertainment and to watch the city skyline go dark.

Make plans to be a part of Earth Hour by switching off or dimming your building's lights.

For more information about Earth Hour and events taking place in Edmonton, visit www.edmonton.ca/earthhour.

If you would like an Earth Hour poster to put up in your workplace, please visit www.wwf.ca/earthhour and click on "toolkits".



EARTH HOUR

MARCH 27, 8:30 PM
BROUGHT TO YOU BY WWF

News

GNWT Adds Milk Containers to the Beverage Container Program

More than 100 million beverage containers have been returned to depots in the Northwest Territories. To date, the depots have processed over 800 tons of aluminum and 17 million plastic containers.

Beginning February 15, 2010, milk containers are now part of the NWT Beverage Container Program. The initiative is part of the Government of the Northwest Territories' (GNWT) Waste Reduction and Recovery Program Expansion.

All milk and liquid milk products, including milk jugs, milk and milk substitute cartons, yogurt drink bottles, condensed or evaporated milk cans, UHT boxes, and creamer bottles will be accepted at all NWT bottle depots. Infant formula and milk and liquid milk products in containers less than 30 mL are not part of the program.

Money raised through the Beverage Container Program goes into the Department of Environment and Natural Resources' Environment Fund, which is used to cover program expenses and improve waste reduction and recovery programs.

For more information, visit www.icarenwt.ca or contact Andrew Matthews at 867.669.2302.

Green Roofs in Toronto

Toronto is the first city in North America to have a bylaw requiring and governing the construction of green roofs.

The Green Roof Bylaw was adopted by Toronto City Council in May 2009. It requires and governs the construction of green roofs effective January 31, 2010.

For the purposes of the Toronto Green Roof Bylaw, a green roof is a roof on top of a building that allows vegetation to grow in a growing medium. Green roofs are required for all new development above 2,000 m² gross floor area. There is a graduated coverage requirement ranging from 20-60% of the available roof space (excluding industrial).

The Toronto Green Roof Construction Standard sets out the City's minimum requirements for the construction and maintenance of Green Roofs while also meeting Ontario Building Code requirements.

The Green Roof Bylaw applies to all new building permit applications made after January 31, 2010 for residential, commercial, institutional developments. For industrial developments, the Bylaw comes into effect on January 31, 2011.

For the complete bylaw and further information, please visit toronto.ca/greenroofs.

Source: toronto.ca

Catalyst Closes Recycled Paper Plants

Catalyst Paper announced in late January that it is indefinitely closing its recycled newsprint facilities and laying off 70 people at Crofton and Coquitlam, shutting down BC's main source of recycled newsprint. The Coquitlam plant was a major buyer of paper from Western Canada.

Catalyst vice-president Lyn Brown said in an interview that declining demand for its recycled newsprint led to the decision to close the Crofton machine and the Coquitlam deinking facility that feeds it. It was further suggested that the facilities will restart if markets for recycled paper improve.

The Catalyst announcement added to other news suggesting a serious downturn in markets for recyclable newsprint. Overall paper demand has dropped 30% throughout North America in the last year, and demand for recycled newsprint has dropped along with it. A second plant in Washington State recently went into receivership. At the same time, demand remains high in China, but a shortage of shipping containers prevents North America from feeding this demand.

Catalyst, which has an established record for environmental leadership for its paper products, still has a mill in Arizona producing recycled paper for the US market.

Source: The Victoria Times Colonist



metrowaste.com

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Winter Olympics Get Bronze For Environmentalism

Organizers of the Vancouver 2010 Olympics deserve only a bronze medal for environmentalism according to the David Suzuki Foundation.

Organizers were praised for building energy-efficient venues, using clean-energy sources, relying on public transit during the Games, and offsetting part of the event's emissions. However, a report also highlighted 'missed opportunities' and areas where the Games 'fell short'.

Foundation spokesman Paul Lingl said: "Climate change is a defining issue of our time, and the winter Olympics are an opportunity to show leadership by reaching and inspiring billions of fans and spectators with solutions to global warming. The Vancouver Olympics will leave the region with few long-term improvements in sustainable transportation. The 2010 Olympic organizers haven't made the most of their opportunities to tell the story of their climate initiatives to Canadians and the world."

A spokeswoman for the Games said it had been open about sustainability throughout. "This is the first Olympic and Paralympic Games to take an integrated approach to forecasting, reducing, offsetting and publicly reporting its carbon footprint. We incorporated LEED standards into venue design, construction and green principles and practices into our operations and events, with attention to transportation, waste management and food services."

Source: edie

Vancouver Hires Binners to Recycle Olympic Cans

Vancouver city council approved a \$50,000 grant to pay more than 70 residents of the Downtown Eastside to collect recyclables during the 2010 Olympic Winter Games.

The non-profit group United We Can will pay binners about \$10 an hour to work four-hour shifts picking up cans and bottles from about 250 temporary recycling bins around downtown Vancouver.

Deposits from the recycled goods will be used to pay other workers at the non-profit United We Can recycling depot in East Vancouver. The group operates the facility to provide work for those who make a living collecting cans and bottles on city streets.

Source: CBC News

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News

Ontario Composting Guideline Released For Comment

On November 30, 2009, Ontario's environment ministry released a draft guideline for compost operators entitled the "Guideline for Composting Facilities and Compost Use in Ontario." The guideline includes best management practices and guidance for compost facilities and municipal waste managers.

Some of the areas addressed include locating and design of facilities and equipment use and operating procedures.

The ministry is proposing new compost categories that would allow the composting of additional materials (such as septage, sewage biosolids and pulp and paper mill biosolids). The guideline sets out quality standards for each category of compost, as well as establishing restrictions for the use of each category based on the quality of the product and the risks associated with its application. The ministry is proposing amendments to Regulation 347 under the Environmental Protection Act to give legal effect to the new compost standards and

application restrictions set out in the guideline.

The 134-page environment ministry document released for public consultation includes specific rules for compost, establishing three different grades: "AA" is best, and can be used in gardens and directly with plants; "A" is second best, as it needs to be mixed with soil; and, "B" which is suitable only for landfill daily cover or roadside applications.

The new guidelines focus attention on the quality of the product emerging from the province's compost facilities. Questions about quality have been in media headlines due to the discovery of contamination in some compost materials produced by municipal programs and independent contractors to large cities. The draft guidelines require that materials be properly finished or cured before leaving a composting plant. The new rules encourage composters to ensure the material has the right mix of nutrients and imposes tight restrictions on sodium levels before distribution to the public.

The release of the guidelines is timely. Toronto is planning to build two new processing plants at a cost of about \$65 million to complement its existing Dufferin organics facility. The city is achieving good participation in its popular green bin program, but has experienced a series of problems with outside contractors; there's insufficient composting capacity in the province and



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exporting organic material to Quebec has also been fraught with problems due to technical problems and the closure of composting plants in that province.

Many municipalities are establishing green bin-style organics collection programs and face similar challenges in determining the best technical solutions. Experts have clamored for years for guidelines that are reasonable and that set achievable targets, but which also encourage a quality product.

The ministry guidelines warn against the risk of allowing residents to use non-compostable plastic bin liners and also against the inclusion of diapers. Allowing certain plastics poses technical challenges at the compost plant and plastic shards may remain in the final product, meaning it may only be suitable for low-end uses. The document states, "Without appropriate mechanical processes specifically designed to manage these materials, diapers and sanitary products often remain mostly intact in the final compost product ... Diapers have also been identified as a contributor to odour problems at compost facilities where accepted."

Source: Solid Waste & Recycling

Vancouver "Up in the Air" on Waste-To-Energy Facilities

In early December 2009, Metro Vancouver's Regional Board received its staff's proposal for a new solid waste management plan. The plan confirms that: "Metro Vancouver will establish up to 500,000 tonnes per year of new waste-to-energy capacity within the region." Metro also says it will ask BC's Ministry of Environment to require producers to send their "non-recyclable" products and packaging to Metro's incinerators.

However, Metro Vancouver incinerator plans are in doubt now that a huge expansion of the Cache Creek regional landfill has won environmental approval. The \$100 million 42-hectare expansion would extend the lifespan of the landfill by another 17 to 25 years.

Metro's board planned to consult the Fraser Valley regional district board in late January on its waste-to-energy strategy, before seeking broader public input. To build a new incinerator, it must adopt a new solid waste management plan, which requires provincial approval.

While generally supportive of new initiatives to compost municipal organic waste, local environmentalists oppose the waste-to-energy incineration plans on the basis that they run counter to the province's commitment to producer responsibility and waste minimization.

To learn more about waste management in Metro Vancouver, go to www.metrovancouver.org.

Source: Solid Waste & Recycling and BCLocalNews.com

Biggest Loser – Trash Edition

A Seattle-area garbage collector, CleanScapes, has issued a \$50,000 challenge to five neighborhoods it serves to determine which locale can produce the biggest reduction in the weight of trash and recyclables it generates.

The contest, announced in mid-December by CleanScapes, is part of its effort to reduce the volume of waste in the city. The neighborhoods eligible for the award – Downtown Seattle, Capitol Hill, South Seattle, Magnolia and Queen Anne – comprise about 28,000 households. The winner will be announced in May 2010.

Source: Waste & Recycling News

Naya Spring Water to Use 100% Recycled Plastic Bottles

Naya Spring Water, a Canada-based company, announced in December 2009 that all of its water will now be bottled in 100% recycled plastic bottles.

The PET plastic used in Naya's new bottle is FDA approved and meets the same safety standards as virgin plastic bottles. Naya's water has been available in the new bottles in the New York City area since December 2009 and will have been rolled out to the rest of North America by early 2010.

For more information, visit www.naya.com.

Source: Waste & Recycling News



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SunChips Introduces the World's First 100% Compostable Chip Bag

On February 3, the SunChips® brand, Frito Lay Canada's (a division of PepsiCo) popular line of multigrain snacks, introduced the world's first 100% compostable chip bag. This green innovation, a first-of-its kind initiative, will change the way Canadians hear, see and think about product packaging in the future.

Starting March 23, 2010 all SunChips take-home bags will be made from more than 90% renewable, plant-based materials. By the end of 2010, the rest of the portfolio will have transitioned into the compostable packaging.

This new package will completely break down into compost in a hot, active compost pile in approximately 14 weeks. On store shelves, it has a unique sound, marketed as "the new sound of green". You can hear this new sound by visiting www.sunchips.ca/newsoundofgreen.

For over a decade, Frito Lay Canada has been working to reduce the company's environmental impact. In addition to the SunChips 100% compostable chip bag, Frito Lay Canada has:

- Reduced its manufacturing fuel consumption by more than 20% since 1999 per kilogram of snacks produced.
- Reduced its water consumption by 30% since 1999, saving 5.4 billion litres of water through changes in the manufacturing plants.
- Diverted more than 92% of manufacturing waste from landfills into recycling streams in 2009.
- Reused approximately 30 million shipping cartons annually and 200 million since 1999, which is equivalent to more than 300,000 trees saved annually and more than 2 million trees saved since 1999.

The renewable material used to produce the SunChips 100% compostable bag is made from a plant-

based PLA material. PLA, polylactic acid, is a versatile and compostable polymer made from starch. After four years of research and testing, Frito-Lay North America's Research and Development team identified PLA as the key material that meets the company's performance expectations. PLA ensures the product in the bag maintains the quality and freshness Canadian consumers expect. The compostable packaging has a different sound than traditional bags because the plant-based materials are not as soft at room temperature.

The SunChips' compostable packaging has been certified through the Biodegradable Products Institute (BPI), the only internationally recognized labeling program. As such it presents the opportunity for incorporation into waste management programs destined for composting, provided the local infrastructure is both available and capable of including this packaging material within their system. In the months ahead, SunChips will be working with local composting initiatives to enable the new packaging to be included in green bin programs as much as possible.

For further information: Megan Johnson, Fleishman-Hillard for Frito Lay Canada, 416.645.3643 or megan.johnson@fleishman.ca

Source: Newswire.ca and Compost Council of Canada

C2P2 Announces a Merger with OCETA

The Canadian Centre for Pollution Prevention (C2P2) has announced a merger with the Ontario Centre for Environmental Technology Advancement (OCETA).

At the forefront of pollution prevention since 1992, C2P2 is recognized internationally as leaders shaping the future of sustainable production and consumption. C2P2 has successfully engaged all sectors of society in the delivery of its mandate and established a world-renowned capacity for technical and environmental advice. The C2P2's Board of Directors extends its thanks to the many supporters, including business, industrial associations, NGOs, labour, academia, governments and international organizations, who contributed to many constructive partnerships throughout the years.

The merger was effective January 19, 2010. OCETA continues program delivery under the C2P2 banner and its core business as Canada's foremost advocate in Pollution Prevention by providing services such as the Canadian Pollution Prevention Roundtable and pollution prevention outreach and training. Kevin Jones, President and CEO of OCETA is excited about the business possibilities saying, "We welcome this opportunity to work closely with C2P2 clients and customers in advancing sustainability. This merger will build on C2P2's and OCETA's core competencies in pollution prevention and clean technology and will enable us to jointly develop and deliver new integrated sustainability services."



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Fred Granek has assumed responsibility for C2P2's operations and invites C2P2's supporters and clients to contact him about services that C2P2 can offer as well as new business opportunities. Fred Granek can be contacted at 905.822.4133 Ext 224 or fred@c2p2online.com.

For further information on C2P2 and OCETA visit www.c2p2online.com and www.oceta.on.ca.

RecycleMania Kicks Off Another Season of Green Team Pride

RecycleMania has sprung back into action as college and university campuses in the US and Canada compete to see who can reduce, reuse and recycle the most on-campus waste. For a 10-week period, which began in mid-January and runs parallel to the college basketball season, colleges and universities are taking part in an exciting competition that increases recycling participation by students and staff, and raises awareness about the significance of waste reduction programs on campuses.

From January 17 through March 27, 2010, 607 schools representing 49 states, the District of Columbia and Canada will compete in eight categories to see who recycles the most on a per-capita basis, who produces the least amount of waste, and who recycles the largest percentage of their overall waste stream. Colleges and universities choose to participate in either the formal competition, which ranks them based on standardized weight measurements, or as part of the less formal "Benchmark" division. In both cases, schools submit weight data for paper, cardboard, cans and bottles, food waste and general trash each week, and are in turn able to see how they measure up against each other in the continuously updated results.

The RecycleMania competition began in 2001 as a challenge between Miami University and Ohio University. Today, it is independently owned and governed by the RecycleMania Steering Committee, which is made up of recycling managers from five participating universities.

RecycleMania has grown to 607 colleges and universities this year, increasing by almost 100 the number of participating schools from 2009. These colleges and universities represent more than five million students, and 1.3 million faculty and staff.

Participating Colleges and Universities in Canada include:

- Bethany Bible College
- Dalhousie University
- Ryerson University
- University of Alberta
- University of British Columbia
- University of New Brunswick
- University of Ottawa
- University of Victoria

For more information, visit www.recyclemaniacs.org.

Source: Recycling Product News

Global Benchmarking for Packaging Waste?

Major retailers and manufacturers from around the world have drawn up a set of metrics that can be used to assess how sustainable packaging on any given product might be.

The International trade body "Consumer Goods Forum" is keen to establish a way of assessing the environmental impact of packaging and the associated waste that's applicable globally, whether a product is packaged in Poland or Pennsylvania, Britain or Bangladesh.

There was recognition that inconsistency in the supply chain meant that measures intended to improve packaging's environmental performance was leading to unnecessary complexity, added cost and suboptimal environmental, economic and social results.

Members of the forum's Global Packaging Project met in Toronto in late January where they agreed on an outline of what these standards might look like and to launch pilot projects to gauge how they might work in the real world. Pilot projects will take place around the world over the next six months and the forum plans to agree to a final set of metrics in November.

Source: EDIE

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News

California Adopts Green Building Standards

California has become the first US state to adopt a mandatory green building standards code. While green regulations exist in cities throughout the USA, this is the first state-wide initiative of its kind.

The standards, known as CALGREEN, will come into effect in January 2011 and require all new buildings to be more energy efficient and environmentally responsible, with an emphasis on water conservation.

CALGREEN will require every new building in California to reduce water consumption by 20%, divert 50% of construction waste from landfills and install low pollutant-emitting materials. It also requires separate water meters for non-residential buildings' indoor and outdoor water use, with a requirement for moisture-sensing irrigation systems for larger landscape projects and mandatory inspections of energy systems for non-residential buildings over 10,000 square feet to ensure that all are working at their maximum capacity and according to their design efficiencies.

Source: EDIE

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U-Haul Offers Self-Storage Reuse Center

U-Haul has created a self-storage reuse center for customers at the Easton, Pennsylvania, U-Haul Center, which is part of the U-Haul Reuse Program. Customers can donate unwanted, gently used household goods, furniture, sporting equipment, bikes and clothing for re-use instead of putting the items in garbage bins.

Items placed in the area are available for reuse, not resale, by the U-Haul community, including U-Haul Team members. The household reuse bins will join clothing-donation bins in the re-use areas; clothing will be taken to Goodwill and other charities.

Other reuse centers are in place across the US, including newly opened locations in Bellingham, Washington, Austin and San Antonio, Texas, O'Fallon, Montana, and San Francisco, California.

Source: Waste & Recycling News

Kraft Exceeds Packaging Reduction Goal

Kraft Foods has eliminated 150 million pounds of packaging from its supply chain since 2005, reaching that reduction goal two years ahead of schedule.

"Our global team of employees is doing a phenomenal job creating opportunities to reduce packaging material while assuring convenience and safety," said Jean Spence, executive vice president of research, development and quality. "And we're finding smarter source materials, reducing our footprint and thinking differently about packaging end-of-life."

Kraft said the "greatest opportunity to influence the environmental impact based on a package's size is early in the design phase"

Source: Waste & Recycling News

TerraCycle Recycling Pens

Three brands of writing utensils, Sharpie, Paper Mate and EXPO, have joined the ranks of the projects that can be collected and upcycled through TerraCycle's Brigade programs. TerraCycle will now collect and reuse pens, markers and other writing instruments, while also helping raise funds for schools, charities and non-profits nationwide.

Collection centers called "Writing Instrument Brigades" will be set up at participating locales, primarily in large corporations and schools where writing instruments are used most. For every writing instrument collected, two cents will be paid to a school, community group, charity or non-profit organization of the participant's choice. The collected writing instruments will be disassembled and reprocessed to make new products.

Source: Waste & Recycling News

WM Invests In Organics Recycling Facilities

Waste Management Inc. is investing in Harvest Power, a move that will expand organics recycling facilities across the United States and Canada, the company said.

Founding investors Kleiner Perkins Caufield & Byers and Munich Venture Partners also are increasing their investments in the company.

Harvest Power operates and owns the largest food and yard waste composting facility in North America in Richmond, BC. The company also is developing aerobic and anaerobic digestion and composting technologies to accelerate the decomposition of organic materials to produce renewable energy, Waste Management said.

Source: Waste & Recycling News

UK Supermarket Tests Reusable Fabric Softener Containers

Fabric conditioner is to be sold in reusable pouches from vending machines in a trial by a UK supermarket chain. The trial, which has been funded by the Waste and Resources Action Programme (WRAP), began on January 25, 2010 at Asda's Barnsley store.

WRAP says the trial will be the first use of self-dispensing technology, developed by the firm eziserv, which pipes fabric conditioner from a 1000 litre reusable container at the back of a store to a point in the aisle.

This system allows customers to buy concentrated fabric conditioner in reusable pouches that can be refilled up to 10 times, saving 40p each time compared to the same volume of product in traditional plastic bottles.

Source: EDIE

Study Examines City Composting as Diversion Method

The Center for a Competitive Waste Industry examined city-based composting programs in 121 US cities in its study, "Beyond Recycling: Composting Food Scraps and Soiled Paper."

The 79-page report provides best practices for expanding beyond recycling and advice on processing food scraps and soiled paper. Cities included in the study reported increases in overall waste diversion rates and reductions in greenhouse gas emissions and groundwater pollution threats.

The study offers techniques used to reduce costs associated with composting and finds while food, soiled paper and yard trimmings make up half of household solid waste, up to 75% of this material can be composted instead of being sent to landfills.

Copies of the report are available at http://beyondrecycling.org/pdf_files/FinalReport.pdf

Source: Waste & Recycling News



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News

Survey Shows More Areas Offering Food Waste Collections

A national survey of US cities has found that the number of areas offering food waste collections has doubled in the last year. The survey, conducted by BioCycle magazine, was published in the December 2009 edition.

According to the publication, more than 90 communities offer some type of residential food waste collection, more than double the 42 communities identified in a 2007 report.

The report, including a table with all programs, is available at www.jgpress.com/archives/_free/001992.html

Source: Waste & Recycling News

Chicago Considers Ban on Foam To-Go Containers

Chicago may soon become the latest city to ban the use of polystyrene foam in city businesses, based on a proposed ban that was presented to the City Council in mid-February.

If passed, the ban would impose fines of \$300 for the first offense and \$500 for additional violations for businesses that distribute foam plastic.

The Illinois Retail Merchants Association is denouncing the ban, arguing that foam plastic is a less expensive form of packaging and businesses are already struggling financially. City Hall would be allowed to grant exceptions to businesses if there was "no alternative that is both affordable and compostable."

Chicago is not the only city that has implemented restrictions on expanded polystyrene. San Francisco outlawed the material in 2007, and now 22 other California towns have followed suit. California was considering a statewide ban on to-go containers last year but tabled the legislation due to financial hardship.

Source: Earth911.com



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Junk Removal Company Posts 60% Landfill Diversion Rate

Junk removal company 1-800-Got-Junk? posted a landfill diversion rate of more than 60% during a sample audit of operations throughout the United States and Canada. The company diverted 61.3% of the junk it collected from landfills, the audit showed, including 40.6% that was recycled, 16.2% that was converted into energy and 4.5% that was reused.

The sampling audit was conducted of company franchises during the third quarter of 2009 by Amcana Environmental Inc. to identify the type of junk collected and where it goes.

Source: Waste & Recycling News

RecycleBank Offers Incentives to Junk Removal Customers

RecycleBank is starting to offer incentives for residents in 150 communities in southern New Jersey and Delaware who use 1-800-GOT-JUNK? to remove their unwanted stuff. The junk removal business and RecycleBank also plan to roll out the program nationwide in April.

RecycleBank rewards customers who recycle with points that can be redeemed for products from participating local and national business partners.

Source: Waste & Recycling News

USPS Expanding Recycling Efforts

The US Postal Service (USPS) announced that its Post Office Box Lobby Recycling program will be expanded to incorporate 2,435 additional post offices, including numerous offices located in US national parks. The program, now available at more than 8,050 USPS locations, recycled approximately 200,000 tons in 2009.

Under the program, postal customers are encouraged to open their mail, take whatever action is necessary and place the unwanted mail in secure recycling bins equipped with a slim opening – about the width of a magazine – which ensures that a customer's privacy is kept.

A complete list of participating Post Office Box Lobby Recycling program locations can be found at www.usps.com/green.

Source: The Latest Recycling News

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UK's Capital Drafts Plan to Stop Sending Waste to Landfills

London's Mayor Boris Johnson wants to stop sending waste to landfills by 2025 and also wants to see recycling hit 45% by 2015 and 60% by 2031, moves that would save money by cutting the city's waste bills.

A new draft municipal waste plan, called "London's Wasted Resource" aims to boost recycling, use less polluting waste technologies and make money from waste. Savings could be realized by recycling more, sending no waste to landfills and extracting energy from the remainder, the mayor said.

Source: Waste & Recycling News

Free E-Newsletters From Resource Recycling

Resource Recycling publishes three free e-newsletters each week that are full of important recycling news, feature stories and interesting tidbits that will help you remain current about key recycling trends and issues. You can receive one or several of the newsletters by contacting jpowell@resource-recycling.com.

The Resource Recycling e-news focuses on issues of importance to those involved in municipal waste management. Plastics Recycling Update looks at the key factors in polymer recovery efforts, while E-Scrap News is the only newsletter targeting electronics recycling.

If the e-newsletter does not fulfill the reader's needs, a simple "unsubscribe" option is incorporated with each publication.

Market Updates

	Per Tonne	Trend
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Coloured	0	↔
Flint	0	↔
Plate	0	↔
Paper		
Cardboard (baled)	60-75	↑
Cardboard (loose)	40	↑
Office Pak (loose)	40-100	↑
Mixed (loose)	20	↑
Magazines (loose)	20-25	↑
News (loose)	25-30	↓
Plastic (HDPE)		
Natural (baled)	200-400	↑
Coloured (baled)	50-250	↑
Metal		
Steel Food Cans	50-80	↑
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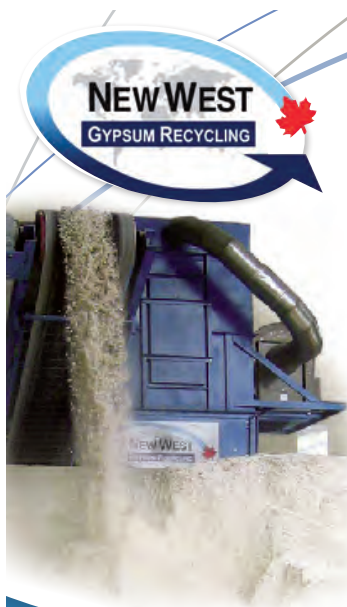
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Coming Events

Plastics Recycling 2010 Conference, March 2-3, 2010, Austin, TX, www.plasticsrecycling.com

GPEC 2010, March 8-10, 2010, Orlando, FL, www.sperecycling.org

Compost Matters!, two-day workshop hosted by the Edmonton Waste Management Centre of Excellence and the Compost Council of Canada, March 16-17, 2010, Edmonton, AB, contact: 1-877-571-4769, www.compost.org

GLOBE 2010, March 24-26, 2010, Vancouver, BC, contact: 1.800.274.6097, www.globe2010.com

Saskatchewan Waste Reduction Council's **Spring '10 Waste Minimization Forum**, March 25-26, 2010, Regina, SK, contact: 306.931.3242, info@saskwastereduction.ca

25th Annual BioCycle West Coast Conference, April 12-15, 2010, San Diego, CA, www.biocycle.net

SWANA's 5th Canadian Waste Symposium - The Summit for Sustainability, hosted by SWANA Northern Lights Chapter, April 18-21, 2010, Banff, AB, contact: 204.725.9234, www.swananorthernlights.org

2010 AARDA Annual General Meeting and Conference, hosted by the Alberta Automotive Recyclers & Dismantlers Association, April 23-24, 2010, Canmore, AB, www.aarda.com

CANECT 2010, May 3-4, 2010, Toronto, ON, contact: 1.888.254.8769, www.canect.net

Two-day **Introductory Fostering Sustainable Behavior Workshop** (Community-Based Social Marketing) with Doug McKenzie-Mohr, May 17-18, 2010, Calgary, AB <https://register.cbsm.com/workshops/?site=Calgary>

"The Future Starts Now! Planning the Transition to EPR", Recycling Council of BC's Annual Zero Waste Conference, May 25-27, 2010, Whistler, BC, contact: 604.683.6009 x 314, www.rcbc.bc.ca

2010 Paper Recycling Conference & Trade Show, June 13-15, 2010, Chicago, IL, contact: 1.800.456.0707, www.recyclingtodayevents.com

Air & Waste Management Association's 103rd Annual Conference and Exhibition, June 22-25, 2010, Calgary, AB, contact: 412.232.3444, www.awma.org

"Building Tomorrow", 2010 Recycling Council of Alberta Waste Reduction Conference, October 13-15, 2010, Lake Louise, AB, contact: 403.843.6563, info@recycle.ab.ca

Waste Reduction Week in Canada, October 18-24, 2010, www.wrwcanda.com

Visit www.recycle.ab.ca for more events listings.

Classifieds

Jobs

- The City of Red Deer's Environmental Services Department is seeking a **Waste Management Inspector**. Position closes March 5, 2010. Please create an online profile and application through www.reddeer.ca. For more information or a more detailed job description, please contact humanresources@reddeer.ca.
- Recycling/Solid Waste Supervisor** at the Town of Chestermere. Visit chestermere.ca to download the job description and employment application form. Position closes March 8, 2010 or until a suitable candidate has been hired. Send resumes to vfox@chestermere.ca or phone 403.207.2807 for further details.

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- Allegheny Horizontal Baler** Model# 301572, 15 HP, 460 Volt, 3 Phase. \$9,000 FOB Winnipeg. Makes over 1,000 lb bales of office paper. Comes with: transformer to step power from 600 to 460 Volt, Infeed Conveyor, approx. 120 feet of Teck 90, 1000 Volt 6Awg cable and two disconnects. Please contact Kristjan Backman 204.222.5095 or Kristjan@phoenixrecycling.ca.

To place a free listing in the classifieds section, RCA members can contact 403.843.6563 or info@recycle.ab.ca