

CWMA news

◀ Newsletter Of The Coast Waste Management Association ▶



THE DIRECTORS AND STAFF OF CWMA WOULD LIKE TO TAKE THIS OPPORTUNITY TO WISH YOU ALL A MERRY CHRISTMAS AND A HAPPY AND PROSPEROUS NEW YEAR



Sorting Out The Road Ahead

This year's Coast Waste Management Association (CWMA) conference was an outstanding event, bringing 280 waste professionals together at the Westin Bear Mountain in Langford, BC in October.

Keynote speakers **Chaz Miller**, Director, Policy and Advocacy with National Solid Wastes Management Association and **Dylan de Thomas**, Managing Editor at Resource Recycling magazine, shared their perspectives on the state of solid waste in North America and the effect of China's Green Fence Policy.

The conference committee developed a very comprehensive program with relevant information and an impressive variety of speakers. Topics addressed; global EPR initiatives, waste niches, illegal dumping and developments south of our border, along with roundtable sessions for First Nations, educators and local

government staff. Tours of Hartland landfill, BFI materials recycling facility, City of Victoria public works and Point Hope shipyard provided practical experience.



Dylan de Thomas and Chaz Miller provided delegates with thought provoking insights on of solid waste in North America and the implications of Chinas Green fence policy

With significant changes taking place, especially around EPR for packaging and printed paper and curbside organics diversion, the conference provided delegates with the opportunity to network, share experiences and knowledge, and help overcome the challenges

encountered in managing solid waste and recycling on a day to day basis. Thanks and appreciation go out to all the sponsors and tradeshow partners whose participation facilitated this great event.

Presentations from the event are available on the CWMA website at www.cwma.bc.ca.

Please mark your calendars and plan to join us for our 2014 conference at the Westin Bear Mountain, October 22-24, 2014.

E-Waste to Increase by One-Third by 2017

A new study released by the United Nations (UN) shows that electrical waste (also known as e-waste) is expected to pile up significantly in the coming years, and the U.S. is a large contributor.

According to [the study](#), e-waste is expected to increase by a third by 2017. More specifically, e-waste is predicted to grow from almost 48.9 million metric tons (53.9 million

tons) in 2012 to 65.4 million metric tonnes (72.09 million tons) in 2017.

Of that total e-waste last year, [the U.S. contributed the most with 9.4 million metric tonnes](#). The numbers look even worse when it comes to per capita, with the U.S. dumping almost 30 kilograms (66 pounds). The global average is 7 kilograms (15 pounds) per person. China came in second with 7.3 million metric tonnes total for 2012 and 5.4 kilograms (12 pounds) per capita.



E-waste, which is any device with a battery or cord, can be harmful to human beings and the environment due to the substances they contain. The study suggested that e-waste exports be better monitored in the future, as many e-waste items have ended up heading to Hong Kong, Latin America and the Caribbean in the past.

The report was based on data regarding discarded products in several countries and estimates of how long these products last.

Source: [Yahoo News](#)

Recycling History: Even Cavemen Lived a Green

Recycling may seem like a relatively recent phenomenon in today's world, but archeologists are discovering that our prehistoric ancestors lived a green lifestyle. According to growing evidence, they recycled the objects they used in their daily lives, creating new utensils from broken tools made of flint or bone.

A conference called "The Origins of Recycling" this October in Tel Aviv, Israel brought together nearly 50 scholars from 10 countries to discuss the ancient recycling phenomenon.



Archeologists at the meeting shared their discoveries of recycled tools at sites in Spain, North Africa, Italy and Israel dating as far back as 1.3 million years ago.

Not only humans but also their predecessors, like Homo erectus and Neanderthals, recycled tools as a survival strategy. "Why do we recycle plastic? To conserve energy and raw materials. In the same way, if you recycled flint you didn't have to go all the way to the quarry to get more so you conserved your energy and saved on the material," Avi Gopher, a Tel Aviv University archeologist, told the Associated Press.

Source – [Time Magazine](#)

The Cycle of Glass Recycling

What does Encorp do with the glass?

The glass is transported to the processor within the region. It is then either sorted or processed. Glass is sorted by color into clear or green and brown and then crushed. Any unsorted glass is processed by crushing. The crushed glass has many uses. Two of the most common uses for Encorp glass are to recycle it into

fibreglass insulation products and new glass bottles.

The crushed glass is shipped to Vitreous Inc. in Airdrie, Alberta where the glass is further refined into glass sand. This glass sand is then sold to manufacturers as raw material for the production of fibreglass insulation products.

At Vitreous, the crushed glass is dumped onto a conveyor where all the contaminants are sorted out then it is put through a furnace to dry. The dried glass is then passed at high speed through a centrifugal drum. The glass hits the wall of the centrifugal drum reducing and polishing the glass and refining it into fine glass sand. The glass sand is then stored in silos to await shipping.

Insulation manufacturers then take the glass sand and mix it with limestone, soda ash and silica sand. They are then spread evenly over a conveyor and passed into a furnace where the mixes are heated to a molten state. The molten glass is fed through a machine with many tiny holes. The glass fibres exiting the tiny holes are blown and cooled forming short glass strands. These glass strands fall onto a conveyor and is sprayed with a pink tinted polymer glue to hold the strands together. These sticky strands cool as they fall on the conveyor and each glass strand binds and interlaces; forming a fleecy bed. This bed of pink fibreglass is further processed, cut and packaged to become a finished product: pink fibreglass insulation.

The crushed clear and coloured glass is shipped to [eCullet Inc.](#) in Seattle, Washington. This company further processes the glass by reducing the glass into 2 inch minus size; this is called "cullet." These cullets are now ready for the furnace and eCullet then transports the finished product to [Saint Gobain](#) where they will be recycled into new glass bottles.

Saint Gobain mixes the cullets (recycled glass) with new soda lime glass stock. This mix is put into the furnace at temperatures as high as 1,675 degrees Fahrenheit. The molten glass is then put through a forming machine capable of making up to 20 bottles at the same time. The molten glass is cut with a shearing blade into a cylindrical shape called a gob. This gob falls by gravity into a mold where it is pressed into the mold shape, called a parison. This parison is moved to a final mold where it is blown into the final shape and dimension of a glass bottle. Then the glass bottle goes through an internal/external treatment. The process will strengthen the inside to become more chemically resistant and/or the outside to harden the surface to reduce surface friction. The glass bottles are cooled and then packaged for new future beverages that you will find at your local store.

Source – [Encorp Pacific](#)



Holiday Humour - Eating Tips

1. Avoid carrot sticks. Anyone who puts carrots on a holiday buffet table knows nothing of the Holiday spirit. In fact, if you see carrots, leave immediately. Go next door, where they're serving rum balls.
2. Drink as much eggnog as you can, and quickly. It's rare. You cannot find it any other time of year but now. So drink up! Who cares that it has 10,000 calories in every sip? It's not as if you're going to turn into an eggnog-alcoholic or

something. It's a treat. Enjoy it. Have one for me. Have two. It's later than you think... It's Christmas!

3. If something comes with gravy, use it. That's the whole point of gravy. Gravy does not stand alone. Pour it on. Make a volcano out of your mashed potatoes. Fill it with gravy. Eat the volcano. Repeat.

4. As for mashed potatoes, always ask if they're made with skim milk or whole milk. If it's skim, pass. Why bother? It's like buying a sports car with an automatic transmission.

5. Do not have a snack before going to a party in an effort to control your eating. The whole point of going to a Holiday party is to eat other people's food for free....lots of it. Hello?

6. Under no circumstances should you exercise between now and New Year's. You can do that in January when you have nothing else to do. This is the time for long naps, which you'll need after circling the buffet table while carrying a 10-pound plate of food and that vat of eggnog.

7. If you come across something really good at a buffet table, like frosted Christmas cookies in the shape and size of Santa, position yourself near them and don't budge. Have as many as you can before becoming the center of attention. They're like a beautiful pair of shoes. If you leave them behind, you're never going to see them again.

8. Same for pies. Chocolate, Apple, Sweet Potato, Mincemeat. Have a slice of each. Or if you don't like mincemeat, have two chocolates and one sweet potato. Always have three. When else do you get to have more than one dessert? Labour Day?

9. Did someone mention fruitcake? Granted, it's loaded with the mandatory celebratory calories, but avoid it at all cost. I mean, have some standards.

10. One final tip: If you don't feel terrible when you leave the party or get up from the table, you haven't been paying attention. Re-read tips; start over, but hurry, January is just around the corner

Source – [Truthbook.com](#)

New CWMA members

The CWMA would like to extend a warm welcome to the following members who have recently joined our association.

Carey McIver and Associates
1964 Crows Nest Lane
Nanose Bay, BC V9P 9H9
Contact;- [Carey McIver](#)
Tel:- 250 821 9889

Celto Canadian
PO Box 21596, 1424 Commercial
Vancouver BC V5L 3X0
Contact;- [Alan Carter](#), Ph.D.
Tel;- 604 722 0824

City of Whitehorse
2121 2nd Ave
Whitehorse, Yukon Y1A 1C2
Contact;- [Bryna Cable](#)
Tel:- 867 668 8312

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Drader Environmental Services

Box 398, Malahat, BC V0R 2L0
Contact:- [Neil Drader](#)
Tel:- 250 888 8183
Fax:- 250 478 5422

Enerkem Inc.

1130 Sherbrooke Street West,
Suite 1500, Montreal, Quebec
H3A2M8
Contact;- [Marie-Helene Labrie](#)
Tel:- 514 875 0284 x231
Fax:- 514 875 0835

Harvest Power Inc

7028 York Road
Richmond, BC. V6W 0B1
Contact;- [Farrell Spence](#)
Tel:- 604 999 3250
Fax:- 604 207 9263

Hetherington Industries Ltd.

4715 Roger Street
Port Alberni, BC V9Y 3Z3
Contact;- [Peter Hetherington](#)
Tel:- 250 724 5112
Fax:- 250 724 5100

Ridge Meadows Recycling

PO Box 283
Maple Ridge, BC., V2X7G2
Contact:- [Kim Day](#)
Tel:- 604 463 5545
Fax:- 604 476 6100

Willowbrook Recycling Inc.

19641 60th Ave
Langley BC V3A3Z6
Contact:- [Savannah Paine](#)
Tel:- 604 532 0239
Fax:- 604 532 0215

A full listing of CWMA members
can be found at www.cwma.bc.ca



Calendar of Events

GLOBE 2014

March 26 - 28, 2014
Vancouver Convention Center
Vancouver, BC

SWANA Canadian Waste Resource Symposium

April 2 - 4, 2014
Sheraton Vancouver Airport Hotel,
Richmond BC

Recycling Council of BC Conference

May 28-30, 2014
Fairmont Chateau Whistler Resort,
Whistler, BC

CWMA Annual Conference 2014

October 22- 24, 2014
Victoria, BC

CWMA 2013 - 2014 Board of Directors

The CWMA AGM was held on April 19, 2013 and the following Directors were elected to the board;

Jeff Ainge – *Regional District of Nanaimo*

Anke Bergner – *Capital Regional District*

Peter Grant – *Salt Spring Island Community Services Society*

Malcolm Harvey – *Encorp Pacific (Canada)*

Reid Hudson - *Recyclize Consulting*

Jerry Kupiak – *Sun Coast Waste Services*

Dave Ross – *Emterra Environmental*

Jacqueline Tudor-Jones – *Cascades Recovery Inc*



L-R standing; Peter Grant, Reid Hudson, Jeff Ainge, Malcolm Harvey, Jacqueline Tudor-Jones, Jerry Kupiak, Anke Bergner, Dave Ross. Front; Will Burrows



Coast Waste Management Association, 1185 Rolmar Cres, Cobble Hill, BC, V0R 1L4
Tel: 250-733 2213
Fax: 250-733 2214
Toll-free: 1-866-386-2962
Email: info@cwma.bc.ca
Web: www.cwma.bc.ca

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