

# Waste Recuperation and Recycling

## GUIDED TOURS

**Montreal • Lanaudière • Mauricie**

**June 19, 2012**

Presented in collaboration with:

Saint-Michel Environmental Complex (CESM) • Groupe RCM • Geocycle • Centre de valorisation Mario Charrette • Canadian Plastics Industry Association (CPIA) • Centre de transfert technologique en écologie industrielle (CTTÉI)

### Who should participate?

Anyone involved in waste management and related technology development: brand owners, retailers, mayors and city councillors, industrial commissioners, plastics processors, consultants, etc.

The Greater Montreal and surrounding areas have established integrated waste management systems. This tour is an opportunity to visit these advanced facilities dedicated to the recovery, recycling, and optimization of waste materials.

**A tour of three industrial sites**

**A unique opportunity to learn more about sustainable management of waste!**

### Why participate?

You will acquire:

- A better understanding of technology sorting and recycling of materials (such as a range of plastics) collected in curbside recycling programs.
- A better understanding of available technologies to recover energy from waste that cannot be recycled.
- The necessary experience to help companies develop their own business models on sustainable recycled packaging.
- An overview of other jurisdictions to assist policymakers in developing strategies and policies for waste development.

### Tour itinerary

**Saint-Michel Environmental Complex (CESM)**  
2475, rue des Regrattiers, Montréal, Québec

"Advanced technologies to separate different plastics from curbside recycling ... "



**Visite #1**



The City of Montreal offers its citizens a collection service for recyclable materials. Materials are transported to the sorting centre located in the Saint-Michel Environmental Complex. Management of the sorting and resale of sorted materials is entrusted to Groupe Tiru, a private company.

For five years, a sorting machine has been used to collect a variety of materials (paper, plastics, metal, glass). **An optical scanning technology is used to separate plastics based on their chemical composition.**

The Saint-Michel Environmental Complex also includes an Eco-Center where citizens can deposit materials not accepted by curbside recycling: construction, renovation, and demolition waste, bulky items, etc. 70% of material dropped off here is re-used.

To learn more :

[http://ville.montreal.qc.ca/portal/page?\\_pageid=7237,75372019&\\_dad=portal&\\_schema=PORTAL](http://ville.montreal.qc.ca/portal/page?_pageid=7237,75372019&_dad=portal&_schema=PORTAL)

**Groupe RCM**  
247, rue Sainte-Anne, Yamachiche, Québec

**“NEW: sorting and recycling of multilayer containers, bags, and plastic wrap ... ”**



**Visite #2**



Founded in 1981, Groupe RCM is a nonprofit organization whose mission is to create the majority of its jobs for people with physical or intellectual disabilities. It operates a sorting facility located in Saint-Etienne des Gres, which handles about 35,000 tons of material per year from the municipalities in the Mauricie region. Their plant in Trois-Rivières handles over 1,500 tons of paper from industries, businesses, and institutions.

A new processing line lets them recycle materials such as plastic wrap and containers made of plastic and cardboard (like multilayer packaging).

Packaging materials produce a low density 100% post-consumer polyethylene resin that can be integrated into the manufacturing of many products.

Specializing in plastics, their plant in Yamachiche can sort approximately 5,000 tons of plastics every year.

To learn more :  
<http://www.groupercm.com/indexz.htm>

**Geocycle and Centre de Valorisation Mario Charrette**  
89, highway 158, Saint-Thomas de Joliette, Québec

**“The Combustible Granular Mix and how to recover energy from non-recyclable plastics and reduce greenhouse gas emissions ... ”**



**Visite #3**



The use of non-recyclable plastics as alternative fuels at **Holcim (Canada)** is based on the general principles of the **Québec Waste Materials Policy**, which promotes the recovery and recycling of waste in accordance with the waste hierarchy: reduce, reuse, recycle and recover/energy. Holcim, a company that makes cement and other construction materials, manages the waste service through its business division **Geocycle**.

Every year this centre processes nearly 50,000 metric tons of various wastes that include rubber, carpet, asphalt shingles, and non-recyclable plastics, using methods like sieving, crushing, shredding, and mixing. The final product is a Combustible Granular Mix (CGM) that is used in Holcim's plant located nearby in Joliette.

To learn more :  
<http://www.holcim.ca>  
<http://www.mcharette.qc.ca/fr/accueil.html>

The non-recyclable plastics used at the plant come from the **Centre de Valorisation Mario Charrette**.

**Itinerary**

- 8:30 Arrival of participants  
*Meet at 2475, rue des Regrattiers, on the ground floor of Éco-Centre St-Michel (CESM), a small building located just beyond the end of Rue d'Iberville above the highway, a hundred meters north of Avenue Jarry*
- 9:00 Tour of Saint-Michel Environmental Complex
- 10:15 Departure
- 11:45 Tour of Groupe RCM
- 12:00 Lunch and presentation by Groupe RCM  
*Food will be served (covered by participation fee)*
- 1:30 Departure
- 12:30 Tour of Geocycle and the Centre de Valorisation Mario Charrette
- 3:45 Departure
- 5:30 Return to Saint-Michel Environmental Complex

**Participants will travel by bus and will depart from the Saint-Michel Environmental Complex**

**Free parking available at CESM**



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Complete this registration form and return it to the Centre de transfert technologique en écologie industrielle by fax or mail **no later than May 31, 2012**. Registration is transferable but not refundable.

### REGISTRATION FORM

NAME:

ORGANIZATION/COMPANY:

ADDRESS:

CITY/PROVINCE:

POSTAL CODE:

TELEPHONE:

FAX:

EMAIL:

DINNER • Special Requirements

VEGETARIAN

FOOD ALLERGIES:

IF YES, PLEASE INDICATE:

### PAYMENT OF PARTICIPATION FEES

| COST PER PARTICIPANT                        |                | NUMBER OF PARTICIPANTS | TOTAL |
|---|----------------|------------------------|-------|
| Before tax                                  | \$ 85          |                        |       |
| TPS 5 % 143527554RT<br>TVQ 9.5 % 1023468324 | \$12.73        |                        |       |
| <b>TOTAL</b>                                | <b>\$97.73</b> |                        |       |

Please send your payment by cheque with your registration form, payable to:  
Centre de transfert technologique en écologie industrielle

**Need  
Information?  
Feel free to  
contact us at  
the CTTÉ!**

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