



THE SUMMIT FOR SUSTAINABILITY • APRIL 18-21, 2010 • FAIRMONT BANFF SPRINGS [fairmont.com](http://fairmont.com)

## SUNDAY, April 18, 2010

NOON - 7:00 PM

**Registration Opens** @ Fairmont Banff Springs (Curio Foyer)  
Sponsored by: [Vulcan District Waste Commission](#)

12:30 - 5:00 PM

### SWANA FUN-IN-THE-SNOW-ATHON OPTIONS

#### A. Explore Lake Louise

Join [Peter Duck](#), an award-winning interpreter of Human and Natural History and a member of our Symposium Coordination Committee, for an informative introduction to the landscape of Banff National Park as we head up the Bow Valley Parkway to Lake Louise for an afternoon of fun and fantastic mountain scenery.

Watch the awesome landscape pass by as you hear about the formation of these spectacular mountain ranges along with stories of the wolves and wildfires that combine with tales of human adventure to make the Canadian Rockies a UNESCO World Heritage Site. After one or two stops for pictures along the way, you can spend the afternoon in the Switzer-land of North America with the historic Fairmont Chateau Lake Louise as your luxurious base camp.

Pick your own activity at the Lake, from snowshoeing to snowman-building to a quiet stroll in the winter wonderland along the lakeshore... or simply chat with symposium colleagues over snacks in our Chateau hospitality room. Depending on how the season advances, the Chateau Lake Louise offers onsite equipment rentals for snowshoeing, skating and cross-country skiing, as well as the opportunity to book guided activities with certified interpretive experts.

#### B. Wilderness Dogsledding and (optional) Snowshoe Adventure

Register for a mountain dogsled adventure that also includes a bonus snowshoeing option! Our transportation will pick you up at the Fairmont Banff Springs Hotel. You will travel up and through Whiteman's Pass and into the spectacular backcountry of the Canadian Rockies. Your guides will set you up with a special opportunity to travel back in history and move over the snow the way natives, explorers and trappers travelled during the long northern winters.

Opportunities will be provided to pause en route to view the Bow Valley with its historic mountain communities of Canmore and Exshaw nestled along the braided channels of the Bow River as it flows out to the foothills and beyond. A bonus barbeque and bonfire will warm you up during this event!

Sponsored by:



7:00– 9:00 PM

**Royal Welcome Reception** (Riverview Terrace)  
**Sponsored by:**



9:00 - 11:00 PM

**After Hours Hospitality** (Champlain Room)  
\*bring your guitar/banjo/spoons for some great Northern Lights jammin'

## MONDAY, April 19, 2010

8:00 AM - 5 PM

**REGISTRATION CONT'D** (Curio Foyer)  
Sponsored by: [Vulcan District Waste Commission](#)

11:00 AM – 4:30 PM

**EXHIBITOR SET UP** (Alberta/New Brunswick Rooms)

8:00– 8:30 AM

**BREAKFAST BUFFET** (Cascade/Conservatory)

8:30– 9:15 AM

**PLENARY - WELCOMING REMARKS** (Cascade Ballroom)  
**MR. CAL DALLAS** (MLA, Red Deer South, and Parliamentary Assistant, Environment) delivering welcoming remarks on behalf of the Honourable Rob Renner, Minister of Alberta Environment  
**DR. JOHN SKINNER, Executive Director and CEO SWANA INTERNATIONAL**  
**JOHN LACKIE, SWANA Canadian Chapters Representative**  
**COLIN JOYAL, President SWANA Northern Lights Chapter**

9:15– 10:15 AM

**PLENARY** (Cascade Ballroom)  
**KEYNOTE PRESENTATION: JUERGEN GIEGRICH, Managing Director, IFEU (Institute for Energy and Environmental Research) Heidelberg, Germany**  
Germany's experience in solving their country's waste problem, while simultaneously addressing the emerging issue of greenhouse gas emissions and climate change.



Sponsored by: and

10:15 – 10:30 AM

**COFFEE BREAK** (Cascade Ballroom)

10:30 – 11:30 AM **PLENARY** (Cascade Ballroom)  
**OPENING SPEAKER: BRIAN KEATING**  
– Reader's Digest Hero for the Environment, Discovery Channel TV Host/CBC Radio Host, Author, World Explorer & Expedition Guide, Calgary Zoo Director of Conservation Outreach, University of Calgary Ass't Professor of Anthropology  
*"The Magic & Mystique of the Northern Lights"* (in celebration of SWANA Northern Lights Chapter's new name & partnerships)

11:30 – 12:15 PM **LUNCH BUFFET** (Cascade/Conservatory)

12:30 – 4:30 PM **TECHNICAL TOURS -**  
**DEPART FAIRMONT BANFF SPRINGS 12:30 PM**



Sponsored by:

Choice of (run concurrently):

**TOUR A** - 5 Facility/Site Stops ([see Itinerary](#))

**TOUR B** - LIVE Equipment Demos at Francis Cooke Regional Facility

<http://www.bvwaste.ca/franciscooke.php>

For more information contact: Bill Cummins 1-877-687-2101

4:30 PM **TOURS RETURN TO FAIRMONT BANFF SPRINGS**

5:00 - 8:00 PM **TRADE SHOW NETWORKING MIXER**  
(New Brunswick/Alberta Rooms)

Major Door Prize Sponsor:  
A WM SOLAR Waste and  
recycler unit courtesy of



Beverage Sponsor: Gaia Strategies/Insinkerator



8:00 - 11:00 PM **AFTER HOURS HOSPITALITY** (Champlain Room)  
*\*bring your guitar/banjo/spoons for some great jammin'*

## TUESDAY, April 20, 2010

8:00 AM - 4:00 PM **REGISTRATION CONT'D** (Curio Foyer)  
Sponsored by: [Vulcan District Waste Commission](#)

7:45 – 8:30 AM **BREAKFAST BUFFET** (Alberta/New Brunswick Rooms)  
**IN TRADE SHOW**  
Sponsored by:



8:30 – 10:00 AM

## CONCURRENT BREAKOUTS

### C. SESSION – WASTE MANAGEMENT PLANNING PERSPECTIVES ACROSS CANADA (Cascade Ballroom)

Moderated by: Ross Maybee, SWANA Atlantic Canada Chapter

- i. Solid Waste Management and the Prosperity of Nova Scotia - **Bill Lahey, Clean Nova Scotia/Dalhousie University/former Dep. Minister Environment & Labour**
- ii. Solid Waste Management Study for Metro Vancouver (Comparative Analysis of Options for Managing Waste After Recycling) - **Dennis Ranahan, Metro Vancouver**
- iii. Modern Regional Integrated Waste Management Facility in Newfoundland - **Thomas Kendall, Kendall Engineering Ltd. and Jason Sinyard, City of St. John's, Newfoundland**

### D. SESSION – INDUSTRY RESEARCH AND DEVELOPMENT INITIATIVES (Ivor Petrak Room)

Facilitated by: Edmonton Waste Management Centre of Excellence

Moderated by: Jerry Leonard, EWMCE

- i. Implications of using Tire-derived Aggregate for Landfill Leachate Collection & Drainage Systems - **Marclus Mwai, University of Alberta, Edmonton**
- ii. Carbon Monoxide Generation in Composting Environments - **Kathleen Londry, Edmonton Waste Management Centre of Excellence (EWMCE)**
- iii. Plant Pathogen Inactivation in Composting Environments - **Kristine Wichuk, University of Alberta, Edmonton**

10:00 – 10:45 AM

### COFFEE BREAK (Alberta/New Brunswick Rooms) IN TRADE SHOW

10:45 AM - NOON

## CONCURRENT BREAKOUTS

### E. SESSION – ORGANICS MANAGEMENT (Cascade Ballroom)

Moderated by: Donna Chaw, Alberta Environment

- i. Scientific and Technical Principles of Anaerobic Digestion Technology – **Dr. Jan Liebetau, German Biomass Research Centre, Germany**
- ii. Food Fights: Growing Competition Over Access to Food Scraps - **Kendall Christiansen, Gaia Strategies, Brooklyn, New York**
- iii. Green Bin Program Rollout (incl. overview of central composting facility and promo/education strategies) **Beth Goodger, City of Hamilton, Ontario**

### F. SESSION - INNOVATIONS IN CONSTRUCTION AND DEMOLITION RECYCLING (Ivor Petrak Room)

Facilitated by: Edmonton Waste Management Centre of Excellence (EWMCE)

Moderated by: Daryl McCartney, EWMCE

- i. Proposed C&D Recycling Program for Alberta – **Christine Della Costa, Alberta Environment**
- ii. Drywall Waste Management - **Shouhai Yu, University of Alberta, Edmonton**
- iii. Sand Recycling (Technology to clean and recycle street sand for reuse, including removal of salt from wash water) – **Phil Haug, Sand Recycling Ltd.**

NOON – 1:00 PM

**LUNCH BUFFET** (Alberta/New Brunswick Rooms; adjacent to Cascade Ballroom)  
**IN TRADE SHOW**

1:00 – 2:30 PM

**CONCURRENT BREAKOUTS**  
**G. SESSION – WASTE TO ENERGY** (Cascade Ballroom)

- i. Sustainable Waste Management Policy Development in Germany– **Dr. Helmut Schnurer, BMU/Federal Ministry of the Environment, Germany**
- ii. The State of EFW in Canada: An Overview of Policy Options and Political Challenges - **John Foden, Canadian Energy from Waste Coalition, Toronto**
- iii. Small Scale Incineration in the North and Remote Communities - **John Chandler, A.J. Chandler and Associates / Environment Canada**

**H. SESSION – COLLECTION & TRANSFER** (Ivor Petrak Room)

- i. Developing a simulation Model of Solid Waste Collection Operations using GPS data - **Bruce Wilson, University of New Brunswick**
- ii. Compressed Natural Gas (CNG) for Waste Collection Vehicles - **Scott Edelbach, Vocational Energy, Tampa, Florida**
- iii. Factory Installed CNG Systems on Garbage Trucks - **Michael Hosfeld, McNeilus CNG, Minnesota**

2:30 – 3:00 PM

**COFFEE BREAK** (Alberta/New Brunswick Rooms)  
**IN TRADESHOW**

3:00 – 4:30 PM

**CONCURRENT BREAKOUTS**  
**TRADESHOW TEAR DOWN**  
**I. SESSION – Waste to Energy** (Cascade Ballroom)

- i. Getting to Zero - Reduce, Reuse, Recycle, Recover (An Update on EFW's Role in Integrated Solid Waste Resource Management in Ontario) - **Mirka Januszkiewicz, Region of Durham, Ontario & Shawn Worster of HDR in Boston**
- ii. Waste to Energy and Resource Recovery - A Contradiction?- **Philipp Schmidt-Pathmann, Green Conversion Systems LLC, Newcastle, Washington**
- iii. The Edmonton Waste to Biofuel Project - **Jim Schubert, Edmonton Waste Management Centre, Alberta & Denis Arguin, Enerkem Inc. Sherbrooke, Quebec**

**J. SESSION – NEW WASTE MANAGEMENT STRATEGIES**  
(Ivor Petrak Room)

- i. Innovative Decision-Making Tools: A GHG Protocol for Recycling and Life Cycle Assessment – **Christina Seidel, Recycling Council of Alberta**
- ii. Web-based Information Management Tools (featuring western Canadian case studies and system implementation at Vancouver 2010 Olympics) - **Rick Penner, Emerge Knowledge Design Inc, Winnipeg, Manitoba**
- iii. Solid Waste Management Strategy for First Nations Remote Coastal Communities in British Columbia - **Sarah Devereaux, Dillon Consulting Ltd.**

5:00 - 6:00 PM

**Tour of Castle interior** with Fairmont head historian David Moberg (discover the who's who of rich and famous guests; silver collection at door; meet on M1 at Heritage Hall)

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6:00 - 7:00 PM

**Castle Cocktails** (Mount Stephen Hall)

7:00 – 10:00 PM

**Medieval Feast** (Cascade Ballroom - costumes optional)

Sponsored by:



10:00 PM

**AFTER HOURS HOSPITALITY** (Champlain Room)

*\*bring your guitar/banjo/spoons for some great jammin'\**

## WEDNESDAY, April 21, 2010

8:00 AM

**REGISTRATION CONT'D** (Curio Foyer)

Sponsored by: [Vulcan District Waste Commission](#)

7:30 – 8:15 AM

**BREAKFAST BUFFET** (Cascade/Conservatory)

8:15 – 9:30AM

**CLOSING SUMMITS - CONCURRENT**  
(Cascade Ballroom)

**K. SESSION - SWANA NLC's MUNICIPAL MAKEOVER 2: WASTE MANAGEMENT PLANNING EDITION** (Cascade Ballroom)

Moderated by: Colin Joyal, SWANA Northern Lights Chapter

Introduction of PANEL PARTICIPANTS:

The 4 Keys to Sustainable Waste Management Planning - **Dennis Guy**, [City of Hamilton, Ontario](#)

1. Partnerships and Collaboration: The Peer Perspective with 2009 Makeover Community - **Barb Zailo, R.M. of Piney, Manitoba**
2. Convenient Options and Lessons Learned - **Jim Clare, AECOM**
3. Policy and Legislation - **Donna Chaw, Alberta Environment**
4. Education and Promotion - The Role of Training with **Laurie Batchelder Adams, LBA Associates, Denver, Colorado** (former President of SWANA Int'l) and The Role of Communication with **Dennis Guy, City of Hamilton, Ontario**

**L. SESSION – NEW COLLECTION PROGRAMS & PRACTICES** (Ivor Petrak Room)

- i. Development of a Modern Scale House (and related landfill entrance facilities) – **Chuck Smith, CH2M Hill and John Leszkowicz, City of Calgary, Alberta**
- ii. A Household Hazardous Waste Program for Rural Communities - **Nicole Haverkort & Bruce Avery, Eastern Region Solid Waste Management Committee, Nova Scotia**
- iii. Collection Site Best Practices in Alberta - **Brad Schultz, Alberta Recycling Management Authority, Edmonton**

9:30 – 10:00 AM

**COFFEE BREAK** (Cascade/Conservatory)

Sponsored by:



10:00 – 11:30 AM

**CLOSING SUMMIT - CONCURRENT :**

**M. SESSION – SWANA NLC's MUNICIPAL MAKEOVER 2: WASTE MANAGEMENT PLANNING EDITION** (Cascade Ballroom)

PANEL EVALUATIONS:

- **Tsuu T'ina First Nation:** Community Profile and Waste Management Challenges - presented by Dillon Consulting in partnership with Tsuu T'ina First Nation
- **RM of Piney, Manitoba:** Lessons Learned in Year 1 - presented by Barb Zailo, Councillor

RM of Piney, Manitoba: Lessons Learned in Year 1 - presented by Barb Zailo, Councillor **N. SESSION – LANDFILL GAS (LFG) AND GREEN-HOUSE GAS (GHG) MANAGEMENT** (Ivor Petrak Room)

- Landfill Gas Collection and Power Generation in a Private/Public Partnership - Linda Churchill, Region of Waterloo, Ontario
- Asserting Carbon Credits from Landfill Gas - Paresh Thanawala, City of Regina, SK
- Operating a Composting Facility for GHG – Jim Lapp and Allan Yee (Co-author), City of Edmonton

11:30 AM – 1:30 PM

**SWANA NLC ANNUAL GENERAL MEETING** (Cascade Ballroom)

Address: What does SWANA really stand for?

**GEOWARE** Inc. **Canadian Chapters Awards**  
Waste Management Information & Control Systems

*Draw for a complimentary registration to SWANA's flagship convention WASTECON 2010 in Boston, MA, USA.*

*Must be in attendance to win.*

**CLOSING LUNCH** (Cascade Ballroom)

*Draw for a Canadian National Park Family Pass. Must be in attendance to win.*

**LUNCHEON SPEAKER: PHONY ROBBINS** – San Diego, CA, USA

**THE MOTIVATIONAL MAVERICK OF WASTE MANAGEMENT**

Sponsored by: **GEOWARE** Inc.  
Waste Management Information & Control Systems

1:30 - 4:30 PM

**SWANA CERTIFIED EXAM CENTRE**

April 21, 2010 1:30 - 4:30 pm @ Fairmont Banff Springs

**Exams offered:**

- Alberta Operator Certification
- MOLO (Manager of Landfill Operations)
- new Managing Municipal Solid Waste Recycling Systems
- Construction & Demolition Materials Management
- Composting courses offered by Composting Council of Canada - TBA

**Exam-only challenge also available for any SWANA certification course.**

For more information contact: [info@swananorthernlights.org](mailto:info@swananorthernlights.org)