

SWANA NORTHWEST REGIONAL SYMPOSIUM 2016. PRELIMINARY AGENDA

The Nuts & Bolts of Solid Waste: A New Tool Kit
April 6-8, 2016 . Pinnacle at the Pier, North Vancouver, BC

WEDNESDAY, APRIL 6	
8:00AM – 8:00 PM	Registration - Foyer of Pinnacle Room
8:00AM – 12:15 PM	<p>Safety Matters Workshop <i>Sponsored by Worksafe BC</i></p> <p>This workshop is a first of its kind in BC and will include a variety of speakers focusing on safety issues associated with collection, transfer station and landfill operations. Asbestos and drywall disposal issues will also be addressed. Topics include:</p> <ul style="list-style-type: none"> • 07:30 Registration and Continental Breakfast • 08:00 SWANA Safety Program Overview and Introduction of Ambassador Program • 08:15 Safety Culture & Behavioural Change • 09:00 Worksafe BC Asbestos Disposal and Exposure • 09:30 Municipal and Industrial Landfill Asbestos Handling • 09:45 Asbestos Plenary: Worksafe BC and Operators (Landfill and Haulers) • 10:00 Coffee and Networking • 10:15 Safety Trends and Solutions - Fleet and Collection Operations (Plenary to Follow) • 11:00 Safety Trends and Solutions - Processing Facilities and Landfill (Plenary to Follow) • 12:00 Lunch and Speaker (TBA) <p>Confirmed Speakers:</p> <ul style="list-style-type: none"> • Geoff Clark, Senior Occupational Hygienist, Worker & Employer Services, Worksafe BC • Kevin Green, Waste Connections Inc. & SWANA Washington Evergreen Chapter Safety Ambassador • Scott Hoekstra, Solid Waste Supervisor, City of Kelowna • Tom Land, Ecowaste Industries • Tabitha Laser, Health & Safety Business Solutions Leader, CH2M • Tom Parker, Senior Project Manager & Technical Director, CH2M • Scott Sadler, BC Safety Manager, Waste Management • Maggie Warren, Superintendent Scale & Transfer Service, Regional District of Nanaimo & SWANA Pacific Chapter Safety Ambassador <p><i>Please note that registration for this workshop must be made separately from the Northwest Symposium, which commences later in the day. See swanabc.org/events/safety-matters for details.</i></p>
1:00 – 4:00 PM	Tours - Sponsored by Metro Vancouver
7:00 – 8:30 PM	<p>Reception – Foyer of Pinnacle Room and Throughout the Conference Floor <i>Sponsored by CH2M</i></p>

THURSDAY, APRIL 7

7:00 – 8:00 AM	Registration & Breakfast		
8:00 – 8:15 AM	Welcome & Opening - Darrell Mussatto, Mayor, City of North Vancouver		
8:15 – 8:45 AM	Keynote – Michelle Leonard, Vice President, SCS Engineering & President SWANA North America <i>Sponsored by Multi-Material BC (MMBC)</i>		
9:00 – 10:00 AM	Technical Session 1		
	<p>1A – Organics Waste Reduction & Program Planning <i>Sponsored by The City of Vancouver</i></p> <ul style="list-style-type: none"> Residential Food Waste Prevention – A Toolkit for BC Communities - <i>Rebecca Freedman, Ministry of Environment and Avery Gottfried, Tetra Tech</i> Expanding City of Vancouver Food Scraps Recycling Program to Multi-Unit Residential Buildings – <i>Patrick Chavo, City of Vancouver</i> Commercial Food Waste Diversion – The Past, Present & Future, Regional District of Nanaimo - <i>Sharon Horsburgh, Regional District of Nanaimo (RDN)</i> 	<p>1B – Optimizing Collection <i>Sponsored by Environmental Metal Works</i></p> <ul style="list-style-type: none"> Residential Collection Review: Township of Langley Builds Efficiency and Decreases Garbage Tonnage – <i>Tamara Shulman, Tetra Tech</i> Garbage In, Data Out - Using Container Monitoring Systems in the Real World - <i>Colin Bell, RecycleSmart Solutions</i> Case Studies in Collection Optimization - <i>Christian Lapoint, Lateral Innovations</i> 	<p>1C – Spotlight on Transfer Stations <i>Sponsored by METTLER Toledo</i></p> <ul style="list-style-type: none"> Focus on Safety at the Transfer Station – <i>Tom Parker, CH2M</i> The Nuts & Bolts of Operating a World Class Transfer Station - <i>Lee Momon, City of Seattle Public Utilities</i> Metro Vancouver Transfer Station Configurations to Increase Diversion - <i>Marcel Pitre, Metro Vancouver</i>
10:00 – 10:30 AM	Refreshment Break		
10:30 – 11:30 AM	Technical Session 2		
	<p>2A – Organics Waste Processing & Operations <i>Sponsored by Glad Canada Ltd.</i></p> <ul style="list-style-type: none"> Trends in North American Regulations affecting MSW Organics and the Changes They are Driving – <i>Tom Kraemer, CH2M</i> Edmonton Anaerobic and Aerobic Food Waste Composting Process Evolution – <i>Christian Felske, City of Edmonton</i> 	<p>2B – Sustainable Design Of Waste Management Facilities Plenary <i>Sponsored by JR Miller & Associates</i></p> <ul style="list-style-type: none"> Facility Design & Layout for Successful and Profitable Operations – <i>Stefan Bukojemsky</i> Sustainable Design of Waste Management Facilities – <i>Krystal Li and Doug Drennen, JR Miller & Associates</i> From Waste Facilities to Recovery Centres and the Role Envision Can Play - <i>Lourette Swanepoel, Michael McNaught, Stantec</i> 	

THURSDAY, APRIL 7 (CON'T)

11:30 AM – 12:30 PM	Lunch - Sponsored by Tetra Tech		
12:30 – 1:30 PM	<p>Plenary Session – Integrated Solid Waste Management at the Regional & County Levels <i>Sponsored by The Canadian Plastics Industry Association (CPIA)</i></p> <ul style="list-style-type: none"> How Integrated Waste Management System Supports Climate Change Initiatives - <i>Mirka Januszkiewicz, Region of Durham (ON)</i> The Nuts and Bolts of the Monterey Regional Waste Management District's New Solid Waste Tool Kit – <i>Doug Drennen, JR Miller & Associates</i> 		
1:30 – 2:30 PM	Technical Session 3		
	<p>3A – Waste Reduction & Diversion Planning – Striving for Zero Waste <i>Sponsored by Dillon Consulting Limited</i></p> <ul style="list-style-type: none"> Tenant Engagement on Sustainability – Focusing on Waste Reduction and Diversion – <i>Alida Kusch, Dillon Consulting Limited and Magda Szpala, BC Housing</i> New Westminster's Clear Bag Trial Methodology & Results – <i>Kristian Davis, City of New Westminster and Karen Storry, Metro Vancouver</i> How Recycling Depots Can Contribute to the Circular Economy – <i>Paul van der Werf, 2cg Inc.</i> 	<p>3B – Eco-Depot Design & Operation <i>Sponsored by GHD</i></p> <ul style="list-style-type: none"> Seeking Sustainable Waste Management Solutions in First Nation Communities: Transfer Station Design for the Suncild First Nation – <i>Wilbert Yang, Tetra Tech and Harry Goodrunning, Suncild First Nation</i> Implementing Recycling in Remote First Nations Communities and Using Social Media as a Communications Tool – <i>Nathalie Maurer, Morrison Hershfield, David Carson, Traditional Territory of the Tsártlip WSANEC First Nations</i> SWANA Pacific Chapter New Eco-Depot Training – <i>Alda Nicmans, SWANA Pacific Chapter and Emily Chu, Intent Consulting</i> 	<p>3C – Managing Liabilities at Landfills <i>Sponsored by Keith Manufacturing Co.</i></p> <ul style="list-style-type: none"> Port Angeles Landfill Cell Stabilization – <i>Tyson Wright, Herrera</i> Application of Geophysics to Identify Water-Bearing Fracture Zones Supporting Landfill Closure and Divestment – <i>Korene Torney, Capital Regional District</i> Managing Construction Risk on Major Landfill Development Projects - 25 Years of Lessons Learned in the Trenches - <i>Tony Sperling, Sperling Hansen & Assoc.</i>
2:30 – 3:00 PM	Refreshment Break		

THURSDAY, APRIL 7 (CON'T)

3:00 – 4:00 PM	Technical Session 4	
	<p>4A – Talking Trash: Cool Ideas to Motivate Change Sponsored by Encorp Pacific Canada</p> <ul style="list-style-type: none"> • The Right Tools for the Job of Engaging Your Customers - <i>Olivia Williams, HDR Engineering</i> • Communications and Branding tip to Maximize Citizen Participation - <i>Rod Roodenberg, Ion Brand Design</i> • Social Marketing and Changing Behavior – Making and Measuring Behavioral Change - <i>Lisa Skumatz, Skumatz Economic Research Associates</i> 	<p>4B - Landfill Planning & Innovation Sponsored by Agru America</p> <ul style="list-style-type: none"> • Landfill Expansion Liner Subgrade Drainage and Leachate Management in a Wet Climate – <i>Cory Hinds, CH2M</i> • Regional District of Kitimat Stikine Solid Waste Management Upgrade – <i>Tony Sperling, Sperling Hansen & Associates</i> • Landfill Capacity Study for Hartland Landfill – <i>Evan Griffiths, CH2M and Joshua Frederick, CRD</i>
6:00 – 10:00 PM	<p>Banquet – Travel via Seabus – Rogue Restaurant & Wetbar, 200 Burrard Street, Entertainment: Fly Over Canada at Canada Place</p> <p>Sponsored by:</p> <p><i>Sperling Hansen & Associates White Bear Industries Daudet Creek Contracting Western Tank and Lining Ltd.</i> <i>R.F. Binnie Associates Ocean Trailer McElhanney Consulting Services Ltd.</i></p>	

FRIDAY, APRIL 8

7:00 – 8:00 AM	Registration & Breakfast
8:00 – 8:45 AM	<p>Keynote - Paul Slyman, Director Parks & Environment Services, Metro Portland Sponsored by Geoware Inc.</p>
9:00 – 10:00 AM	Technical Session 5

FRIDAY, APRIL 8 (CONT'D)

	<p>5A – Keeping Communities Clean</p> <p><i>Sponsored by Veolia</i></p> <ul style="list-style-type: none"> • A Revitalized Approach to Managing Litter and Illegally Dumped Waste – <i>Tanya Drouillard, Township of Langley</i> • Pilot Projects and Marine Litter Initiatives - <i>Krista Friesen, CPIA</i> • Strategies to Mitigate Litter, Abandoned Waste and Escaped Waste in Metro Vancouver – <i>Allen Jensen, Metro Vancouver and Belinda Li, Tetra Tech</i> 	<p>5B – Landfill Gas – Modelling & Monitoring</p> <ul style="list-style-type: none"> • Towards a Better Understanding and Quantification of Landfill Gas Generation – <i>Jim Atwater, UBC and Ali Abedini, Sperling Hansen & Associates</i> • Beyond Monitoring: Mapping Methane Hotspots in Landfills (Calgary) – <i>Sean Buckles, Tetra Tech</i> • A Review of LiDAR and its Potential to Monitor Emissions from Landfill Environments – <i>Keith Thomsen, Washington State University Tri-Cities</i> 	<p>5C – Sponsorship Series - Products & Technologies - Part 1</p> <p>Speakers yet to be determined -10 minutes each</p>
10:00 – 10:30 AM	Refreshment Break		
10:30 – 11:30 AM	Technical Session 6		
	<p>6A – Recycling & Product Stewardship</p> <p><i>Generously Sponsored by Product Care</i></p> <ul style="list-style-type: none"> • A Transition to British Columbia's Printed Paper and Packaging Stewardship Program – <i>Ben Van Nostrand, Columbia Shuswap Regional District</i> • Transitioning to the New Recycling Paradigm Under EPR – <i>Noelle Chin & Daniel Lantz, Green by Nature</i> • How BC Benefits from the EPR Programs – An Economic and Environmental Story – <i>Meegan Armstrong, BC Ministry of Environment and Veronica Bartlett, Morrison Hershfield</i> 	<p>6B – Advances in Landfill Gas Management</p> <p><i>Generously Sponsored by DRAINTUBE</i></p> <ul style="list-style-type: none"> • Comparative Studies of Three Different Horizontal Landfill Gas collector Design – <i>Toraj Ghofrani, King County</i> • Cache Creek Landfill – Powering the Community – <i>David Barbour, Wastech</i> • Too Much Flare, Not Enough Gas: Downscaling Treatment Requirements using Landfill Gas Forensics – <i>Peter Bannister, Aspect Consulting and Dan Swope, King County</i> 	<p>6C – Sponsorship Series - Products and Technologies - Part 2</p> <p>Speakers yet to be determined - 10 min each</p>
11:30 – 12:30 PM	<p>Lunch - Previously Loved Threads - Fashion Show (brought to you by the SWANA Pacific Chapter YPs)</p> <p><i>Sponsored by HDR Inc.</i></p>		

FRIDAY, APRIL 8 (CONT'D)

12:30 – 1:30 PM	Technical Session 7	
	<p>7A – Wood & Demolition Waste Management Panel <i>Generously Sponsored by Ecowaste Industries</i></p> <p>Panelists include:</p> <ol style="list-style-type: none"> 1. Waste disposal – <i>Tom Land, Ecowaste Industries</i> 2. Municipal Policies Supporting Diversion – <i>Lisa Brideau or Brad Badelt, City of Vancouver</i> 3. Status of Current Markets for DLC Materials – <i>Randy Gue, Better Planet Consulting Inc.</i> 4. Emerging markets for DLC materials – <i>Felix Böck, University of British Columbia</i> 	<p>7B - Landfill Closure & Post-Closure <i>Generously Sponsored by AFITEX Texel</i></p> <ul style="list-style-type: none"> • Vancouver Landfill Upcoming Closure & Gas Works Projects – <i>Lynn Belanger, City of Vancouver</i> • Landfill Closure Design – Landfill Closures Built for Speed on the Coast – <i>Deacon Liddy, GHD Engineering</i> • Stability Issues with Landfill Gass: Horsethief Landfill, Klickitat County: A New Look at Ending Custodial Care – <i>John Cleary and Haily Fitterer, HDR Engineering</i>
1:30 – 2:30 PM	Workshop – From Inspiration to Action in 5 Easy Steps - Jan Enns, Jan Enns Communications	
2:30 – 3:00 PM	Closing & Final Comments	

OUR GENEROUS SPONSORS

Safety Matters Workshop



Tours



Wednesday Reception



Thursday Evening Banquet & Entertainment



Keynote, Plenary & Luncheons



Technical Sessions

