



**Science Advisory Board for Contaminated Sites in British Columbia**  
**Ninth Annual Conference**  
**Thursday, September 26, 2019**  
**Segal Building, 500 Granville Street**  
**Rooms 1200 – 1500 (all sessions) and 2300 (parallel session only)**

**07:45 – 08:25 Registration and Breakfast**

**08:25 – 08:30 Opening Remarks**

*Zahra Pirani (SABCS President & Conference Co-Chair; Keystone Environmental) and Marc Apduhan (SABCS Conference Co-Chair; Hemmera)*

**08:30 – 09:45 Plenary 1: Contaminated Sites and Risk Assessment Practices in BC and Beyond**

**08:30 – 08:45 30 Years of Contaminated Sites Risk Assessment in BC – Looking Backward, Looking Forward**

*Beth Power, AZIMUTH CONSULTING GROUP and Reidar Zapf-Gilje, GEOENVIROLOGIC*

**08:50 – 09:05 Same Country but Different Planet – A Comparison of Risk Assessment Approaches in BC and Ontario**

*Michelle Ashley, PGL ENVIRONMENTAL CONSULTANTS*

**09:10 – 09:25 A Practitioners Comparison of Contaminated Sites Regulatory Regimes: Western Australia (WA) vs British Columbia (BC)**

*Paul Gardner, GANDALF CONSULTING*

**09:30 – 09:45 Paperclip Yourself to a Limited Stage 2 PSI – Lane 1: ENV, Lane 2: OGC**

*Daniel Gorsic, SYNERGYASPEN ENVIRONMENTAL*

*09:45 – 10:00 Refreshment Break and Networking*

**10:00 – 11:15 Plenary 2: Analytical Methods and Sampling Practices**

**10:00 – 10:15 Biogenic Toluene -- A Laboratory's Perspective**

*Michael Sheppard, BUREAU VERITAS LABORATORIES*

**10:20 – 10:35 Benefits of Reduced Soil-Gas Sample Collection Volumes for Thermal Desorption Methods**

*Jerry Holzbecher, ALS*

**10:40 – 10:55 BTEX and Alkylated Benzenes in Gasoline; A PIONA Hydrocarbon Profiling Technique, Applications and Environmental Concerns**

*Mahyar Sakari, AGAT*

**11:00 – 11:15 Environmental Laboratory Technical Advisory Committee (BCELTAC) Updates**

*Mark Hugdahl, BCELTAC*

*11:15 – 12:15 Buffet Lunch and Networking*



**Science Advisory Board for Contaminated Sites in British Columbia**  
**Ninth Annual Conference**  
**Thursday, September 26, 2019**  
**Segal Building, 500 Granville Street**  
**Rooms 1200 – 1500 (all sessions) and 2300 (parallel session only)**

**12:15 – 13:10 Parallel Sessions**

<b>Parallel 1a: Risk Management &amp; Assessment (Room 1200-1500)</b>		<b>Parallel 1b: Site Remediation (Room 2300)</b>	
<b>12:15 – 12:30</b>	<b>Prioritization of Exposure Pathways at Sites Impacted by Per and Polyfluoroalkyl substances</b> <i>Jennifer Arblaster, GEOSYNTEC CONSULTANTS</i>	<b>12:15 – 12:30</b>	<b>Phytoremediation Technologies for Restoring Salt and Hydrocarbon Contaminated Soil</b> <i>Elizabeth Murray, EARTHMASTER ENVIRONMENTAL STRATEGIES</i>
<b>12:35 – 12:50</b>	<b>Survey of PFAS Compounds in Edible Fish Species in Canada</b> <i>Heather Lord, BUREAU VERITAS LABORATORIES</i>	<b>12:35 – 12:50</b>	<b>Treatment of Perfluoroalkyl and Polyfluoroalkyl Substances (PFASs) in Soil and Water</b> <i>John Sankey, TRUE BLUE TECHNOLOGES</i>
<b>12:55 – 13:10</b>	<b>Taking a Pilot into Full Scale Flight -- Studying Fate and Effects of Oils on Shorelines in Freshwater Environments in the Experimental Lakes Area</b> <i>Tanya Shanoff, STANTEC</i>	<b>12:55 – 13:10</b>	<b>Performance of a New Activated Carbon Amendment for Bioremediating Petroleum-Impacted Sites</b> <i>Andrew Punsoni, REGENESIS</i>

**13:10 – 13:25 Refreshment Break and Networking**

**13:25 – 14:40 Plenary 4: Environmental Studies**

- 13:25 – 13:40** **Establishing Background Conditions Relevant to Contaminated Sites: Recent Case Studies of Successful Approaches**  
*Wendy Hovel, GEOSYNTEC CONSULTANTS*
- 13:45 – 14:00** **Development of regional scale background trace element concentrations from site assessment data – a case study from the Alaska Highway, Northern BC.**  
*William CullochDasson, SNC-LAVALIN*
- 14:05 – 14:20** **Incremental Sampling Methodology for Petroleum Hydrocarbon Contaminated Soils: Volume Estimates and Remediation Strategies**  
*Kathlyne Hyde, UNIVERSITY OF SASKATCHEWAN*
- 14:25 – 14:40** **Going Global - Excitement, Challenges and Innovation for Advanced In-Situ Remediation Technologies**  
*BJ Min and Jevins Waddell, TRIUM ENVIRONMENTAL*

**14:40 – 15:00 Refreshment Break and Networking**



**Science Advisory Board for Contaminated Sites in British Columbia**  
**Ninth Annual Conference**  
**Thursday, September 26, 2019**  
**Segal Building, 500 Granville Street**  
**Rooms 1200 – 1500 (all sessions) and 2300 (parallel session only)**

**15:00 – 16:40 Plenary 5: Regulatory Updates**

**15:00 – 15:15 Society of Contaminated Sites Approved Professionals of BC (CSAP) Update**  
*TBD (Tony Gillett, President), CSAP*

**15:20– 15:35 ECCC FCSAP Update: Overview of Recent Guidance and Upcoming Changes**  
*Erin Shankie, ENVIRONMENT AND CLIMATE CHANGE CANADA*

**15:40 – 15:55 Crown Contaminated Sites Program (CCSP) Updates**  
*Joanna Runnells, MINISTRY OF FORESTS, LANDS, NATURAL RESOURCE OPERATIONS AND RURAL DEVELOPMENT (BC FLNR) / CCSP*

**16:00 – 16:15 BC ENV: Environmental Emergency Program Updates**  
*Kathryn Berry, BC MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE STRATEGY (BC ENV)*

**16:20 – 16:35 BC ENV: Update on Contaminated Sites**  
*Valentina Yetskalo, Manager of Operations and Policy, BC MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE STRATEGY (BC ENV)*

**16:40 – 16:45 Closing Remarks and Conference Adjournment**  
*Paul West (SABCS Past President)*

**17:00 – 19:00 SABCS Networking Reception, Sponsored by McCue Engineering Contractors (Location TBD, Close to Conference Venue)**