



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 – 10:05 Refreshment Break and Networking

10:05 – 11:25 Plenary 2: Analytical Methods and Sampling Practices

10:05 – 10:20 Biogenic Toluene -- A Laboratory's Perspective

Michael Sheppard, BUREAU VERITAS LABORATORIES

10:25 – 10:40 Benefits of Reduced Soil-Gas Sample Collection Volumes for Thermal Desorption Methods

Jerry Holzbecher, ALS

10:45 – 11:00 BTEX and Alkylated Benzenes in Gasoline; A PIONA Hydrocarbon Profiling Technique, Applications and Environmental Concerns

Mahyar Sakari, AGAT

11:05 – 11:20 Environmental Laboratory Technical Advisory Committee (BCELTAC) Updates

Mark Hugdahl, BCELTAC

11:20 – 12:20 Buffet Lunch and Networking



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13:10 – 14:25 Parallel Sessions

Parallel 1a: Risk Management & Assessment (Room 1200-1500)		Parallel 1b: Site Remediation (Room 2300)	
12:25 – 12:40	Prioritization of Exposure Pathways at Sites Impacted by Per and Polyfluoroalkyl substances <i>Jennifer Arblaster, GEOSYNTEC CONSULTANTS</i>	12:25 – 12:40	Phytoremediation Technologies for Restoring Salt and Hydrocarbon Contaminated Soil <i>Elizabeth Murray, EARTHMASTER ENVIRONMENTAL STRATEGIES</i>
12:45 – 13:00	Survey of PFAS Compounds in Edible Fish Species in Canada <i>Heather Lord, BUREAU VERITAS LABORATORIES</i>	12:45 – 13:00	Treatment of Perfluoroalkyl and Polyfluoroalkyl Substances (PFASs) in Soil and Water <i>John Sankey, TRUE BLUE TECHNOLOGES</i>
13:05 – 13:20	Taking a Pilot into Full Scale Flight -- Studying Fate and Effects of Oils on Shorelines in Freshwater Environments in the Experimental Lakes Area <i>Tanya Shanoff, STANTEC</i>	13:05 – 13:20	Performance of a New Activated Carbon Amendment for Bioremediating Petroleum-Impacted Sites <i>Andrew Punsoni, REGENESIS</i>

13:20 – 13:35 Refreshment Break and Networking

13:35 – 14:50 Plenary 4: Environmental Studies

- 13:35 – 13:50 **Establishing Background Conditions Relevant to Contaminated Sites: Recent Case Studies of Successful Approaches**
Wendy Hovel, GEOSYNTEC CONSULTANTS
- 13:55 – 14:10 **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
- 14:15 – 14:30 **Incremental Sampling Methodology for Petroleum Hydrocarbon Contaminated Soils: Volume Estimates and Remediation Strategies**
Kathlyne Hyde, UNIVERSITY OF SASKATCHEWAN
- 14:35 – 14:50 **Going Global - Excitement, Challenges and Innovation for Advanced In-Situ Remediation Technologies**
BJ Min and Jevins Waddell, TRIUM ENVIRONMENTAL

14:50 – 15:05 Refreshment Break and Networking



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15:05 – 16:20 Plenary 5: Regulatory Updates

15:05 – 15:20 ECCC FCSAP Update: Overview of Recent Guidance and Upcoming Changes
Erin Shankie, ENVIRONMENT AND CLIMATE CHANGE CANADA

15:25 – 15:40 Crown Contaminated Sites Program (CCSP) Updates
TBD (Heather Johnstone), MINISTRY OF FORESTS, LANDS, NATURAL RESOURCE OPERATIONS AND RURAL DEVELOPMENT (BC FLNR) / CCSP

15:45 – 16:00 BC ENV: Environmental Emergency Program Updates
Kathryn Berry, BC MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE STRATEGY (BC ENV)

16:05 – 16:20 BC ENV: Update on Contaminated Sites
Valentina Yetskalo, Manager of Operations and Policy, BC MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE STRATEGY (BC ENV)

16:25 – 16:30 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)