



Science Advisory Board for Contaminated Sites in British Columbia

Department of Chemistry, University of Victoria
PO Box 3065 STN CSC Victoria, BC, V8W 3V6
Phone: 250-472-4688 Email: pwest@uvic.ca

Preliminary Workshop Program: Innovative Methods in Site Characterization

September 27, 2017

SFU Harbour Centre
Earl and Jennie Lohn Policy Room
515 West Hastings Street, Vancouver, BC

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| 7:45 – 8:15 | Registration and Hot Breakfast |
| 8:15 – 8:25 | Review of the Day's Activities
<i>Ian Hers, Golder Associates Ltd.</i> |
| 8:25 – 9:10 | Meta-omics Tools for Resolving Microbial Processes: Opportunities and Challenges for Site Characterization
<i>Susan K. DeLong, PhD, Colorado State University</i> |
| 9:10 – 9:55 | Selecting Appropriate Molecular Biological Tools for Remediation and Monitoring Progress <i>Sam Rosolina, PhD, and Dora Taggart, PhD, Microbial Insights Inc.</i> |
| 9:55 – 10:10 | Networking and Refreshment Break |
| 10:10 – 10:55 | Protocol 2: Site-Specific Numerical Soil Standards
<i>Amy Sloma, and Annette Mortensen, Senior Contaminated Sites Officers, Ministry of Environment and Climate Change Strategy; Stephen Munzar, Senior Hydrogeologist/Partner, Core6 Environmental Ltd.</i> |
| 10:55 – 11:40 | Protocol 27: Soil Leaching Assessment for Use in Derivation of Site Specific Standards
<i>Lavinia Zanini, Senior Contaminated Sites Officer, Ministry of Environment and Climate Change Strategy</i> |
| 11:40 – 12:25 | Groundwater MNA and Modeling
<i>Ian Hers, PhD, P.Eng, Principal, Golder Associates Ltd.</i> |
| 12:25 – 1:05 | Buffet Lunch and Networking |
| 1:05 – 1:50 | New Tool kit of Remediation Technologies & Sustainability for Management of Petroleum Hydrocarbon Sites
<i>Parisa Jourabchi, PhD, P.Eng, Golder Associates Ltd</i> |



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- 1:50 – 2:35** **Emerging Science in a Contract Analytical Laboratory**
- The Stage 10 Amendments In BC
- Poly- and Perfluorinated Alkyl Substances (PFASs) in the Environment:
“Where we were, where we are and where we’re going”
Terry Obal, PhD, Maxxam Analytics
- 2:35 – 3:20** **High-Resolution Site Characterization (HRSC): Technological Innovation for Understanding the Subsurface in Real-Time**
Bruce Tunnicliffe, P.Eng, President, Vertex Environmental Inc.
- 3:20 – 3:35** **Refreshment Break**
- 3:35 – 4:20** **The Evolution and Utilization of Compound Specific Stable Isotopes in Environmental Forensic Applications**
Richard P. Philp, Oklahoma State University
- 4:20 – 4:40** **Facilitated Discussion of Advances in Characterizing Contaminated Sites**
- 4:40** **Wrap Up**

Note to Workshop Attendees:

Materials other than the agenda are distributed on a flash drive. For convenience, the flash drive contains electronic copies of the presentations and a number of key references.