

Site Profile and Soil Relocation - Consultation Extension
November 20, 2014

BEST 2015 CONFERENCE

FAIRMONT CHATEAU WHISTLER | WHISTLER, BC | MAY 19 - 21, 2015

Call for Abstracts

Presenters receive 50% off registration price!

The British Columbia Environment Industry Association invites submissions of papers and technical presentations for its second annual Bettering Environmental Stewardship and Technology (BEST 2015) Conference to be held in beautiful Whistler, BC May 19 – 21, 2015.

Papers and presentations are encouraged in, but not limited to, the following areas:

- New innovative technologies in clean energy sector
- Doing business with First Nations in the environmental services or clean energy sector
- Oil & Gas sector
- Mining
- Risk assessment
- Legal case studies
- Sustainable business practice case studies
- Emergency Spill Response technologies and lessons learned
- Upcoming major project updates and successes in Western Canada
- Innovative technologies in contaminated water treatment, air quality management, and for remediation of contaminated soil
- Case studies and lessons learned of successful brownfield re-development projects
- Environmental policy initiatives - industry results
- Updates to environmental policy from a legal perspective

The preliminary selection of papers and presentations will be based on submitted abstracts and reviewed by a panel of peers. Abstracts should be no more than 500 words, should include a presenter biography, the subject(s) you feel your presentation best suits, and must be received by January 16, 2015.

Please send submissions via e-mail to abstracts@bceia.com. Notification of acceptance will be given by February 13, 2015. Full presentations must be submitted by April 17, 2015.

BEST 2015 is organized by the British Columbia Environment Industry Association (BCEIA). For more information, contact info@bceia.com.

Site Profile and Soil Relocation - Consultation Extension
November 20, 2014

Discussions on changes to British Columbia's legal regime for soil relocation and site identification (site profiles) continue. [Discussion papers for both topics were posted in September for comment](#). The original closing date for comments was December 10, 2014. However, in response to requests made by

stakeholders, the Ministry of Environment is extending the consultation period for the Land Remediation Legislative and Regulatory Review – Soil Relocation & Site Profile Process. The closing date for receiving comments is now Monday, February 2, 2015.

The Ministry will also host future webinars to review the discussion documents and to update stakeholders on comments received to date (including those received at our consultation sessions in Victoria, Vancouver and Kelowna).

The webinars will take place on: **January 14, 2015**

- 10-11:00am - Site Profile Process
- 11:00am-noon - Soil Relocation

Stakeholders are encouraged to submit relevant comments or questions now. All responses will help inform the Ministry of stakeholder concerns and suggestions and will be used to tailor the upcoming January webinar.

If you are interested in receiving information about or participating in the webinars please contact Cindy Bertram at cindybertram@shaw.ca for further details.

New Technical Bulletin 2 Available November 19, 2014

[Technical Bulletin 2, “Requirements for Human Health and Ecological Risk Assessment Reports”](#) which takes effect December 1, 2014 has been posted to our website. It provides supplemental direction to that provided in [Procedure 10, “Requirements for Service Application Resubmissions, Withdrawals and Amendments”](#) regarding ministry expectations for risk assessment reports and provides criteria and examples relevant to determining if a risk assessment report is incomplete or contains significant errors or omissions.

If you have any questions on the new Technical Bulletin, please send them to site@gov.bc.ca.

Characterization and Confirmatory Sampling for VOCs in Soil October 31, 2014

With the Director's recent approval of the new [Volatile Organic Compounds in Solids by GCMS – PBM](#) analytical method, all soil samples for Volatile Organic Compounds (VOCs) including confirmatory soil samples, taken for the regulatory purposes of the Contaminated Sites Regulation (CSR), must be either field preserved with methanol or obtained using a hermetically sealed sampling device in accordance with the new method. The effective date for this sampling requirement is November 1, 2014.

Analytical results for VOCs in soil collected and date-logged prior to November 1, 2014 will be considered valid for CSR purposes of site characterization or confirmation, provided the soil was collected and analyzed in compliance with the requisite hold times specified for the method in effect at the time of sampling.

Again, as of November 1, 2014 all soil samples collected for VOC analysis for the regulatory purposes of the CSR must be either field preserved with methanol or obtained using a hermetic sampler as required under the "Volatile Organic Compounds in Solids – PBM" analytical method.

If you have any questions, please contact:

[Joyce Austin](#)

Sr. Provincial Laboratory Specialist
Ministry of Environment - Environmental Sustainability and Strategic Policy Division
Knowledge Management Branch
P.O. Box 9335 Stn Prov Govt
Victoria, BC V8W 9M1

[Site Profile and Soil Relocation Discussion Documents - Upcoming Discussion Sessions](#) [October 28, 2014](#)

Don't forget to register, spaces are still available!

If you are interested in providing comment on the current Site Identification Process (Site Profile) and Soil Relocation discussion papers in person, please register for the following discussion sessions:

1. Laurel Point in Victoria – October 15 (completed)
2. Vancouver Convention Centre West – October 29
3. Delta Grand Resort in Kelowna – November 5

The sessions will be 1.5 hours long. The Site Identification (Site Profile Process) Paper discussion will be in the morning sessions at 10:30am and the Soil Relocation Paper discussion will take place in the afternoons at 1:00pm in Vancouver and 12:30pm in Kelowna. Light refreshments will be served prior to each session. Please come out and have your voice heard.

To register, please contact [Cindy Bertram](#).

Copies of the documents may be accessed at: [Land Remediation Section](#).

[Site Profile and Soil Relocation Discussion Documents](#) [October 14, 2014](#)

This message is a reminder that the Ministry of Environment is holding the following information sessions in relation to discussion papers posted for public comment:

1. a webinar scheduled for October 16 from 10:30 to 12pm; and/or
2. information meetings, to be held in Victoria (Laurel Point Inn - October 15), Vancouver (Vancouver Convention Centre - October 29) and Kelowna (Delta Grand - November 5). The morning sessions (10:30am-12pm) will be dedicated to discussion pertaining to the Site Profile Process and the afternoon sessions (1:00-2:30pm) will be dedicated to discussion pertaining to

Prevention of Site Contamination from Soil Relocation. Refreshments and a light snack will be provided prior to each session.

Discussion papers and response forms can be found on the [Land Remediation Section](#) website. The public comment period closes on December 10, 2014.

If you are interested in participating in any of these events please contact [Cindy Bertram](#) for details.

For further information please contact:

[Kerri Skelly](#) (Soil Relocation)

[Kelli Larsen](#) (Site Profiles)

Upcoming APEGBC Event - November 4, 2014 October 1, 2014

Upcoming APEGBC Seminar: Evaluating the Fate and Transport of Contaminants in Groundwater in the Environment, November 4, 2014 - Fort St. John, BC

This session will cover how potential and/or known contaminant sources are characterized, how to determine the contaminant specific mobility in the environment based on inherent physical and chemical properties, their release mechanism to the environment, and ultimately their migration pathway and fate in the environment. The session will emphasize the mechanisms of contaminant transport in the subsurface and how to qualitatively and quantitatively predict contaminant migration towards potential sensitive receiving environments. The benefit and use of conceptual site models will be presented, as well as transport modelling techniques. This session should allow individuals to understand how to undertake a fate and transport assessment, minimum data that should be collected, and methods used to quantify contaminant transport towards a receiving environment.

Visit the following [APEGBC website](#) for details and registration. For further information please contact Gurjeet Phungura at gphungura@apeg.bc.ca or (604) 412-4886.

GeoEnviroLogic Statistics Workshop on November 14, 2014 September 30, 2014

GeoEnviroLogic Professional Development will be holding a one-day workshop “Practical Statistical Methods for Contaminated Sites” on November 14, 2014 in Vancouver, BC.

This workshop covers statistical principles and methods focused on the BC Contaminated Sites Regulation and associated technical guidance. Hands-on training will be provided using the new version of ProUCL (version 5) to evaluate contaminated sites data. For this statistical workshop, we will bring in the well known expert, Dr. Dennis Helsel.

For registration and detailed agenda, visit www.GeoEnviroLogic.ca

[Announcement - CSAP Fall PD Workshop - October 23rd, 2014](#)
[September 24, 2014](#)

The Contaminated Sites Approved Professional Society (CSAP) Fall Professional Development Workshop will be held on Thursday October 23rd this year. The purpose of the workshop is to provide a forum where both Approved Professionals and other interested parties have an opportunity to “catch up” on the latest developments in contaminated sites management and to ask questions. Questions received in advance will be answered during the workshop. Along with local expertise, we are excited to include three invited speakers from the US, addressing vapour intrusion, Light Non-Aqueous Phase Liquid attenuation and insights on Silica Gel cleanup of polar metabolites. Our wrap-up Panel Discussion will debate the future vision and roles of BC MOE and CSAP in administering and delivering the CSR processes – a great opportunity for Audience input too!

[2014 Fall PD Workshop Event Registration and Agenda\(draft\)](#)

Venue:

Vancouver Convention Centre – West Building, 1055 Canada Place
Meeting Room Level 2, West Meeting Rooms 220 – 222
For more information please contact CSAP at info@csapsociety.bc.ca

[Reminder - SABCS 4th Annual Conference and Workshop, September 24 & 25](#)
[September 3, 2014](#)

This is a reminder of the 4th Annual SABCS Conference and Workshop on September 24 and 25.

Limited space is available on both days. Register now to avoid disappointment.

SABCS 4th Annual Conference on September 25, 2014 The conference features 19 papers on recent results in site investigation, remediation, monitoring and research. Topics include urban and resource sectors. The Keynote speaker is Dr. John T. Wilson of Scissortail Environmental Solutions. Dr. Wilson has had a distinguished 36 year career in groundwater management with the US EPA.

The final program is now available at www.sabcs.chem.uvic.ca

SABCS 4th Annual Workshop on September 24, 2014. Sustainability in Contaminated Sites Management: Application of Principles and Policies in Practice

The workshop focusses on the application of the key principles of sustainability to practical tools developed for introducing sustainability into your practice. Examples and case studies are introduced as the day progresses. The emphasis will be on tools for the practitioner and discussion on the challenges in incorporating sustainability in the plan for your site while meeting policy and cost constraints. Topics range from brownfields and urban development, to northern development and groundwater management. Highlights and topics include the following:

- Keynote speaker, Dr. John T. Wilson of Scissortail Environmental Solutions, an eminent authority on evaluating monitored natural attenuation and risk managed solutions.

- Sustainable water use in the oil and gas sector.
- Monitoring underground storage tanks.
- The first public presentation of Ministry of Environment proposed policy positions on high density urban land use standards and updated monitored natural attenuation guidance.
- 10 invited expert technical and site management presentations, and discussion.

Use the University of Victoria Conferences Services website to register for both the conference and workshop: <http://conferences.uvic.ca/index.php/sabcs/sabcs2014>

Early registration ends on August 15

More details are available at: www.sabcs.chem.uvic.ca

For registration, please visit: <http://conferences.uvic.ca/index.php/sabcs/sabcs2014>

Reminder - GeoEnviroLogic Workshop: Risk Assessment Fundamentals September 2, 2014

GeoEnviroLogic Professional Development will be holding a highly interactive two-day workshop: Risk Assessment Fundamentals Workshop on Sept 22 & 23 at BCIT campus, Downtown Vancouver OR you now have the option to attend through WEBINAR.

Based on expressed interest, we have added the option of “attending” this workshop through webinar. This will allow those who are unable to travel to Vancouver to participate. The webinar participants will be able to see the live presentations and a dedicated instructor will be assisting the on-line participants with the practical hands-on problem solving sessions.

Workshop Topics:

- Importance of a robust site characterization
- Identification of data gaps
- Problem formulation and screening level risk assessment
- Validation of data quality
- Statistical evaluation of site contamination
- Exposure modeling
- Toxicity (hazard) assessment
- Risk characterization
- Uncertainty analysis

For workshop agenda and registration, visit [www.GeoEnviroLogic.c](http://www.GeoEnviroLogic.ca)

Updated Fact Sheet 33 and Site Information Request Form August 28, 2014

We have just updated [Fact Sheet 33](#), “Obtaining Information from the SWIS, AMS and Compliance and Enforcement Databases” and our [Site Information Request form](#). The changes reflect new ways in which the ministry is making information available to the public.

Information on [discharge authorizations](#) under the Environmental Management Act and on [environmental violations](#) is now available free of charge on the ministry's website. In addition, ministry [quarterly compliance](#) and enforcement reports are now available on our website.

Information on discharge authorizations, environmental violations, and compliance and enforcement will no longer be available by submitting a Site Information Request form. However, we will continue to search the SWIS (hazardous waste) database and the Site Registry, and respond to requests for custom reports of site information, upon submission of this form.

If you have questions or comments, please sent them to Advisor.SiteInformation@gov.bc.ca.

Approved new analytical methods August 28, 2014

The following new analytical methods, developed with the assistance of the British Columbia Environmental Laboratory Technical Advisory Committee (BCELTAC), have been approved by the Director. These new methods come into effect on the dates indicated below (but may optionally be used immediately). For more information see the [“Methods Approved by Director”](#) section of the ministry's [Sampling, Methods and Quality Assurance](#) website. These new methods will be incorporated into the B.C. Environmental Laboratory Manual.

Document Title	Date Approved	Type of Document	Effective Date
B.C. Ministry of Environment Sample Preservation and Holding Time Requirements	Aug. 27, 2014	regulatory document	Nov. 1, 2014
Volatile Organic Compounds in Solids by GCMS – PBM	Aug. 27, 2014	analytical method	Nov. 1, 2014
Volatile Hydrocarbons in Soil by GC/FID	Aug. 27, 2014	analytical method	Nov. 1, 2014
Total Organic Carbon (TOC/Foc) in Soil/Sediment by Combustion - PBM	Aug. 27, 2014	analytical method	Nov. 1, 2014
Metals in Animal Tissue and Vegetation (Biota) – Prescriptive	Aug. 27, 2014	analytical method	Jan. 1, 2015
Colour, True, Single Wavelength – PBM	Aug. 27, 2014	analytical method	Nov. 1, 2014
Cyanide in Soils by Sodium Hydroxide Extraction – Prescriptive	Aug. 27, 2014	analytical method	Nov. 1, 2014

If you have any questions, please contact:

[Joyce Austin](#)

Sr. Provincial Laboratory Specialist
Ministry of Environment - Environmental Sustainability and Strategic Policy Branch
Knowledge Management Branch
P.O. Box 9335
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Victoria, British Columbia
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**SABCS 4th Annual Conference and Workshop, September 24 & 25
August 7, 2014**

SABCS 4th Annual Conference on September 25, 2014 in downtown Vancouver The conference features invited and contributed papers on site investigation and remediation featuring keynote speaker Dr. John T. Wilson of Scissortail Environmental Solutions. Dr. Wilson had a distinguished 36 year career in groundwater management with the United States Environmental Protection Agency.

SABCS 4th Annual Workshop on September 24, 2014 Sustainability in Contaminated Sites Management: Application of Principles and Policies in Practice The workshop will emphasize application of the key principles of sustainability to practical tools developed for introducing sustainability into your practice. The invited keynote speaker, Dr. John T. Wilson of Scissortail Environmental Solutions, is an eminent authority on evaluating monitored natural attenuation and risk managed solutions. Other examples and case studies will be introduced as the day progresses. The emphasis will be on tools for the practitioner and discussion on the challenges in incorporating sustainability in the plan for your site while meeting policy and cost constraints. Topics range from brownfields and urban development, to northern development and groundwater management. We will have presentations on emerging BC Ministry of Environment positions on High Density Urban Residential and the revised monitored natural attenuation guidance by Ministry staff. Not to be missed!

Early registration ends on August 15

More details are available at: www.sabcs.chem.uvic.ca

For registration, please visit: <http://conferences.uvic.ca/index.php/sabcs/sabcs2014>

**GeoEnviroLogic Workshop: Risk Assessment Fundamentals
August 7, 2014**

GeoEnviroLogic Professional Development will be holding a highly interactive two-day workshop Risk Assessment Fundamentals: Framework, Principles and Methods of Human Health and Ecological Risk on Sept 22 & 23 in Downtown Vancouver, BC. Learn to identify data gaps, derive the problem formulation, and take the conceptual risk model through quantitative steps of human health and ecological risk assessment. The workshop uses many real world examples and the latest concepts in adult learning to put you into the critical learning zone, gaining competency in the assessment and interpretation of human health and environmental risks, and in the communication of your findings.

Working in small groups, you will draw conceptual models, estimate exposures, determine toxicity reference values, characterize risks, and discuss uncertainty in risk estimates. For workshop agenda and registration, visit www.GeoEnviroLogic.ca.

New Guidance on Completing Summaries of Site Condition July 28, 2014

The ministry has just released [Administrative Guidance 17, “Completing Summaries of Site Condition”](#) on our website. This new document supplements the instructions in the Summary of Site Condition form, focussing on how to list substances.

If you have any questions, please contact John.Ward@gov.bc.ca.

New Analytical Methods Posted for Public Comment July 9, 2014

The following new draft analytical methods, developed with the assistance of the British Columbia Environmental Laboratory Technical Advisory Committee (BCELTAC), have been posted for public review to the “[New Methods Posted for Public Comments](#)” section of the ministry’s Sampling, Methods and Quality Assurance website

Document Title	Date	Type of Document
B.C. Ministry of Environment Sample Preservation and Holding Time Requirements	July 04, 2014	regulatory document
Proposed Changes to B.C. Ministry of Environment Preservation and Hold Time Requirements	July 04, 2014	supporting document
Volatile Organic Compounds in Solids by GCMS – PBM	July 04, 2014	analytical method
Volatile Hydrocarbons in Soil by GC/FID	July 04, 2014	analytical method
Total Organic Carbon (TOC/Foc) in Soil/Sediment by Combustion - PBM	June 26, 2014	analytical method
Metals in Animal Tissue and Vegetation (Biota) – Prescriptive	June 26, 2014	analytical method

Colour, True, Single Wavelength – PBM	June 26, 2014	analytical method
Cyanide in Soils by Sodium Hydroxide Extraction – Prescriptive	June 26, 2014	analytical method

The 30-day public comment period for these proposed new methods closes on August 7, 2014. Please send your comment on the methods to:

[Joyce Austin](#)

Sr. Provincial Laboratory Specialist
 Ministry of Environment - Environmental Sustainability and Strategic Policy Branch
 Knowledge Management Branch
 P.O. Box 9335
 Stn Prov Govt
 Victoria, British Columbia
 V8W 9M1

Once the methods have been finalized and approved by the Director, they will be incorporated into the B.C. Environmental Laboratory manual.

Please send Technical questions on the methods to [Glyn Fox](#).

Contaminated Sites Approved Professional Society Exams 2014 May 23, 2014

This is a reminder that the application deadline for the 2014 Contaminated Sites Approved Professionals (CSAP) Society membership examinations is May 30, 2014.

Detailed information regarding the examinations has been posted to the CSAP Society website:

- Examination guide and fee information at: [Guidelines](#)
- Experience review information and application at: [Experience Review](#)
- Exam dates are scheduled as follows:
 - Numerical Standards test – November 4th, 2014
 - Regulatory test – November 5th, 2014
 - Risk-based Standards test - November 6th, 2014
- Information regarding the time and location of each examination will be posted on the CSAP Society website.

If you have any questions or comments please contact Catherine Schachtel, Executive Director of the Society, at cschachtel@csapsociety.bc.ca.

Health Canada Risk Assessment Training - May 22, 2014
May 20, 2014

Health Canada is pleased to offer a webinar open to custodians of Federal contaminated sites and Federal Contaminated Sites Action Plan (FCSAP) staff, as well as external environmental consultants working on Federal contaminated sites.

Webinar: Addressing Common Challenges in Investigating Remote Northern Sites to Support Human Health Risk Assessment
Thursday, May 22nd, 2014
12-3pm EST

This course will be delivered in English. Training in French will be delivered later in this fiscal year.

For more information and to register, please contact paul.walters@hc-sc.gc.ca and nicole.cote@hc-sc.gc.ca.

GeoEnviroLogic Workshop - BC Contaminated Sites Regime
April 9, 2014

We have been requested to send the following message to our subscribers.

GeoEnviroLogic Professional Development will be holding a workshop **Update on BC Contaminated Sites Regime: Interpreting Requirements under New Guidance** on **May 7, 2014** in Downtown Vancouver, BC. This workshop provides an annual update on new aspects of the BC Contaminated Sites Regime. In past years, it has proven to be an excellent forum for peer discussion of these new policies, guidance and procedures, and for sharing of possible approaches and solutions. The workshop is valuable for contaminated sites practitioners, regulators and site owners. The presenters include Contaminated Site Specialists, Approved Professionals and Provincial and Federal Agency staff. Topics include: Regulatory Update, MOE; Soil and Soil Vapour Issues; and Federal Guidance and Programs.

For registration and event details visit www.GeoEnviroLogic.ca.

Kum Dhakshina, Administrator
GeoEnviroLogic Professional Development

Updated Director's Approvals Workbook as of April 1, 2014
April 7, 2014

The [Director's Approvals workbook](#) has been updated to be current as of April 1, 2014. The workbook provides summary information and additional detail in links to associated documents on recent Director's decisions involving:

- Approvals of background soil quality under [Protocol 4, "Determining Background Soil Quality"](#) and section 17 of the Contaminated Sites Regulation;

- Preapprovals under Table 2 of [Protocol 6, "Eligibility of Applications for Review by Approved Professionals"](#);
- Approvals of background groundwater quality under [Protocol 9, "Determining Background Groundwater Quality"](#) and section 17 of the Contaminated Sites Regulation; and
- Water use determinations under [Technical Guidance 6, "Water Use Determination"](#) and section 12 (4) of the Contaminated Sites Regulation.

If you have any questions or comments on the updated workbook, please send them to [Glyn Fox](#).

BEST2014 Conference Update April 7, 2014

We have been requested to send the following message to our subscribers.

CONFERENCE OVER 60% SOLD OUT!

BEST2014 is the BCEIA's inaugural learning event bringing together professionals from the environmental industry. With an ideal setting, ample networking opportunities and presentations and panel discussions from environmental industry executives and analysts, **BEST2014** offers a unique opportunity to gain valuable perspective on today's environmental industry.

Keynote Speaker: David Hughes (Global Sustainability Research)
"The Energy Sustainability Dilemma: Can the Shale Revolution Bail Us Out?"

The two-day technical program consists of 30 platform presentations grouped into sessions chaired by environment industry leaders. Scheduled topics include:

- Spill Response
- Trends in Remediation
- Brownfields/Urban Development
- Remediation Case Studies
- First Nations Relationships
- Oil and Gas Industry
- Risk and Environmental Assessment
- Emerging Remediation Technologies

BEST2014 takes place **May 29-30, 2014** at the Fairmont Chateau Whistler in Whistler, BC.

BEST 2014 is organized by the British Columbia Environment Industry Association (BCEIA). For more information, visit www.bceia.com.

EARLY BIRD REGISTRATION & EXHIBITION OPPORTUNITIES STILL AVAILABLE

Clarification AP Responsibility for PVPs under AG#14
March 20, 2014

Upcoming APEGBC Event: Evaluating the Fate and Transport of Contaminants in Groundwater in the Environment Seminar.

Recently released Administrative Guidance 14, "[Performance Verification Plans, Contingency Plans, and Operations and Maintenance Plans](#)" states that "PVPs (Performance Verification Plans) must be developed, reviewed and recommended by an appropriately qualified Approved Professional". This will clarify that a PVP need not necessarily be developed (i.e. written or drafted) strictly by a Contaminated Sites Approved Professional Society (CSAP), Approved Professional (AP). It is recognized that components of a PVP may require the input or specification of other qualified persons who may or may not be a CSAP Approved Professional. Therefore, a PVP may be drafted by a qualified professional who is not a CSAP Approved Professional.

A PVP prepared for a site eligible for review by a CSAP Approved Professional must be reviewed and recommended by an Approved Professional. If you have any questions or comments please send them to [Glyn Fox](#).

Upcoming APEGBC Event on Contaminated Sites
March 10, 2014

Upcoming APEGBC Event: Evaluating the Fate and Transport of Contaminants in Groundwater in the Environment Seminar.

This session will cover how potential and/or known contaminant sources are characterized, how to determine the contaminant-specific mobility in the environment based on inherent physical and chemical properties, their release mechanism to the environment, and ultimately their migration pathway and fate in the environment. The session will emphasize the mechanisms of contaminant transport in the subsurface and how to qualitatively and quantitatively predict contaminant migration towards potential sensitive receiving environments. The benefit and use of conceptual site models will be presented, as well as transport modelling techniques. This session should allow individuals to understand how to undertake a fate and transport assessment, minimum data that should be collected, and methods used to quantify contaminant transport towards a receiving environment.

Visit the following APEGBC website for details and registration:
<https://apeg.bc.ca/Events/Events/14APRETF>

Thank you,

Gurjeet Phungura |Professional Development Coordinator
Association of Professional Engineers & Geoscientists of BC
200-4010 Regent Street, Burnaby, BC V5C 6N2
Direct: 604-412-4886 / Toll Free: 1-888-430-8035 ext. 4886
Fax: 604-639-8180
www.apeg.bc.ca

GeoEnviroLogic Online Contaminated Site Training Webinars
March 10, 2014

We have been requested to send the following message to our subscribers.

GeoEnviroLogic Professional Development will be holding six online contaminated site professional training webinar sessions on Contaminated Site Fundamentals: Investigation, Regulations, Risk Assessment Principles, and Remediation/Management Planning.
April 1,2,8,10,15,and 17, 2014; Tuesday and Thursday Morning Sessions: 8:30 to 10:00 am
For registration and event details, visit www.GeoEnviroLogic.ca.

Kum Dhakshina, Administrator
GeoEnviroLogic Professional Development
Email: KDhakshina@shaw.ca
www.GeoEnviroLogic.ca

New Guidance on Performance Verification Plans
February 20, 2014

A new guidance document, [Administrative Guidance 14, "Performance Verification Plans, Contingency Plans, and Operations and Maintenance Plans"](#) has just been released on our website. This document augments the guidance, in Procedure 12, for Approved Professionals and their clients for meeting the reporting requirements under our Certificates of Compliance. The document provides detailed guidance on performance verification plans (PVPs), including a description of PVPs, circumstances under which PVPs are required, and information about the preparation, implementation and use of PVPs.

If you have any questions or comments please send them to [Glen Fox](#).

RFP Revisions for Soil Vapour Extraction Guidance
February 7, 2014

This is to advise CS e-Link subscribers of revisions to the Request for Proposal (RFP) posted to BC Bid on January 21, 2014. The RFP seeks professional services to produce technical guidance for the Ministry of Environment, Land Remediation Section on remediation using soil vapour extraction systems at contaminated sites in British Columbia.

The RFP was revised to include being a licensed professional as one of the mandatory criteria for proposals to be considered during the evaluation process.

NOTE also, that the RFP closing date has been extended to Thursday February 13, 2014 at 2:00 p.m.

For more information on the bid request please access the BC Bid website at: www.bcbid.ca and browse the proposals listed under the Ministry of Environment. The request for proposal code is RFPPA14EPD-015.

If you have any questions or comments please send them to [Ardith Gingell](#).

Bulletin Clarifying Preapprovals Under Protocol 6 Released January 30, 2014

The ministry has just released [Administrative Bulletin 1, “Preapprovals Not to Delineate or Remediate the Entire Area of Contamination at a Site”](#) which comes into effect on March 1, 2014. The bulletin clarifies the scope and intent of preapprovals under Protocol 6, “Eligibility of Applications for Review by Approved Professionals” which would exempt an applicant from the requirement to delineate and/or remediate the entire area of contamination at a site.

If you have any questions or comments please send them to site@gov.bc.ca.

Three Revised Land Remediation Documents Now Available January 30, 2014

The Ministry of Environment’s Land Remediation Section has released three revised procedure documents which support British Columbia’s contaminated sites regime under the Environmental Management Act. All of these documents come into effect on February 1, 2014:

- Procedure 8, "[Definitions and Acronyms for Contaminated Sites" Version 2.1](#) (contains new definitions and acronyms relating to contaminated sites in the Environmental Management Act and Contaminated Sites Regulation and various contaminated sites protocols, procedures and guidance documents)
- Procedure 9 "[Procedures for Processing Site Profiles" Version 2.1](#) (provides guidance to Ministry of Environment staff, acting on behalf of the Director, who process site profiles and make decisions on the requirements for site investigations and on releases of external authorities to approved specified applications under local government legislation)
- Procedure 12 "[Procedures for Preparing and Issuing Contaminated Sites Legal Instruments" Version 2.0](#) (contains guidance for Ministry of Environment staff and Approved Professionals regarding contaminated sites legal instruments)

If you have any questions or comments please send them to site@gov.bc.ca.

Protocol 11 amendments for lead in effect February 1, 2014 January 30, 2014

Amendments to Protocol 11, “Upper Cap Concentrations for Substances Listed in the Contaminated Sites Regulation” Version 2.0 will come into effect on February 1, 2014. The amendments change the Table 3 Human Health Soil Ingestion Exposure Upper Cap Concentrations for Schedule 5 Substances for lead in consequence of the recent Minister’s amendments to the Contaminated Sites Regulation Schedule 5 Human Health Protection soil standards for lead.

Please consult [Administrative Bulletin 2, “Amendment to Protocol 11 Upper Cap Concentrations for Lead”](#) for further details.

If you have any questions or comments please send them to Glyn.Fox@gov.bc.ca.

Stage 9 Contaminated Sites Regulation Amendments in Effect January 28, 2014

[Stage 9 Amendments to the Contaminated Sites Regulation](#) will come into effect on February 1, 2014. The amendments add a human health protection lead standard for industrial land use to Schedule 5 of the Regulation. In addition, the amendments replace with new standards the existing human health protection lead standards for other land uses in Schedule 5.

Please consult our Update, "[Stage 9 Amendments to the Contaminated Sites Regulation](#)" for further details.

If you have any questions or comments please send them to Glyn.Fox@gov.bc.ca.

GeoEnviroLogic Statistics Workshop February 26 January 27, 2014

GeoEnviroLogic Professional Development will be holding a one-day workshop “Practical Statistics for Contaminated Sites” on February 26, 2014 in Vancouver, BC. For registration and event details, visit www.GeoEnviroLogic.ca.

Request for Proposal for soil vapour extraction guidance January 21, 2014

This is to advise CS e-Link subscribers of a Request for Proposal (RFP) recently posted to BC Bid. The RFP seeks professional services to produce technical guidance for the Ministry of Environment, Land Remediation Section on remediation using soil vapour extraction systems at contaminated sites in British Columbia.

For more information on the bid request please access the BC Bid website at: www.bcbid.ca and browse the proposals listed under the Ministry of Environment. The request for proposal code is RFPPA14EPD-015.

NOTE: The RFP closing date is Tuesday February 11, 2014 at 2:00 p.m.

If you have any questions or comments please send them to Ardith.Gingell.

Proposed Changes to Soil VOC Sampling Methods January 20, 2014

It has come to the ministry's attention that several laboratories have been indicating that proposed changes to the soil volatile organic compound (VOC) sampling method will become mandatory on various dates.

The British Columbia Environmental Laboratory Technical Advisory Committee (BCELTAC) has recommended changes to require the use of field methanol extraction (i.e., methanol preservation) or hermetic samples in the collection of soil samples for VOC assays. However, these proposed changes to the VOC sampling method have not yet been officially approved by the ministry. The ministry will likely approve this change to the VOC sampling method in the near future. The various dates for implementation currently being reported by the laboratories are tentative.

We are working towards having the new soil VOC method, including the proposed new soil sampling requirements, posted for a 30-day public comment period in approximately May 2014. Once the comment period closes, BCELTAC and the ministry will consider any concerns raised with the method and either revise or recommend approval of the method by the Director.

In the interim, laboratories are providing seminars and other opportunities for their clients to learn more about the proposed sampling methods and are amending their in-house sample handling procedures and protocols in anticipation of the proposed sampling requirements being officially approved by the ministry.

Q&As regarding the proposed soil VOC method will be posted in the near future on the land remediation section website at: <http://www.env.gov.bc.ca/epd/remediation/q-a/>

For further information please contact Dr. Joyce Austin, Senior Provincial Laboratory Specialist at (250) 953-3405 or Joyce.Austin@gov.bc.ca, or Dr. Glyn Fox at Glyn.Fox@gov.bc.ca.

Upcoming APEGBC Event on Contaminated Sites January 13, 2014

This session will cover how potential and/or known contaminant sources are characterized, how to determine the contaminant-specific mobility in the environment based on inherent physical and chemical properties, their release mechanism to the environment, and ultimately their migration pathway and fate in the environment. The session will emphasize the mechanisms of contaminant transport in the subsurface and how to qualitatively and quantitatively predict contaminant migration towards potential sensitive receiving environments. Visit the following APEGBC website for details and registration: <https://www.apeg.bc.ca/Events/Events/14APRETF>

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