

## 2016 CS E-Link Archive

### Webinars 1-6 for Stage 10 (Omnibus) Amendments Posted

December 20, 2016

#### Webinar recordings available - Stage 10 (Omnibus) Amendments to the Contaminated Sites Regulation (CSR)

The Ministry of Environment has released the PowerPoint presentations and audio recordings of Webinars 1 through 6 aimed at helping stakeholders understand the changes to the recently approved Omnibus amendments to the CSR. These webinars cover the following topics:

- Webinar 1 - Overview of the changes and administrative matters
- Webinar 2 - New land uses
- Webinar 3 - Changes to the soil standards
- Webinar 4 - Leachate tests and renewal of Protocol 2 "Site specific soil standards"
- Webinar 5 - Emerging contaminants
- Webinar 6 - Changes to the vapour standards

You can find the material on the [Contaminated Sites Presentation resource webpage](#).

Please note the final two webinars (#7 Changes to the water standards and #8 – Effects of CSR amendments on soil relocation) is expected to be posted early in the new year. We will send a follow-up CSeLink once those final webinars are available.

### Omnibus Guidance Documents Proposed Release Schedule

December 4, 2016

Planned release dates for guidance documents supporting the CSR Omnibus Amendment

To support the implementation of the Stage 10 (Omnibus) Amendments to the Contaminated Sites Regulation, the Ministry is updating existing and developing new guidance documents.

To assist stakeholders plan for these consultation periods, a list of documents and anticipated release dates is provided below. It is expected that the comment period for documents will be 60 days.

The Ministry will do its best to adhere to these time frames and will update stakeholders if the release dates shift significantly.

Guidance documents expected to be released for comment in March 2017

- Protocol 4 – Determining background soil quality
- Protocol 18 – Criteria for establishing multiple land uses at sites
- Administrative Guidance 3 – Applying for contaminated sites services
- Administrative Guidance 5 – Approved Professional recommendations relating to low and moderate risk sites
- Administrative Guidance 10 – Site risk classification

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- Lab Manual – New methods for emerging contaminants of concern

Guidance documents expected to be released for comment in July 2017

- Protocol 2 – Site-specific numerical soil standards
- Protocol 6 – Eligibility of applications for review by Approved Professionals
- Protocol 11 – Upper cap concentrations for substances
- Protocol 12 – Site risk classification, reclassification and reporting
- Protocol 13 – Screening level risk assessment
- Protocol C27 – Leachate testing procedures
- Protocol C30 – Determining carcinogenic substances
- Technical Guidance 4 – Vapour investigation and remediation
- Technical Guidance 7 – Supplemental guidance for risk assessments
- Lab Manual - Method for leachate tests
- Lab Manual – Bioavailability method for lead

If you have any questions regarding the above please email [Christina.sinnemann@gov.bc.ca](mailto:Christina.sinnemann@gov.bc.ca).

## Reminder: CSAP Society's Fall Workshop - November 23rd, 2016

November 15, 2016

Contaminated Sites Approved Professional Society Fall Workshop - November 23rd, 2016

A reminder that the CSAP Society's annual fall workshop is just over a week away. The workshop agenda includes the latest and greatest on hot topics like professional judgment, TG4 updates, bedrock assessment, hazardous waste regulation amendments and pre-approvals. And then we'll wrap things up with a presentation on false positives in analytical data – you'll want to hear what Peter Reid has to say about VPHv.

[Registration & Agenda](#) available now.

For further information, please contact Janet Phipps at [communications@csapsociety.bc.ca](mailto:communications@csapsociety.bc.ca).

## BEST 2017 Conference - Call for Abstracts

November 14, 2016

### **Call for Abstracts Presenters receive 50% off registration price**

The British Columbia Environment Industry Association invites submissions of papers and technical presentations for its third annual Bettering Environmental Stewardship and Technology Conference (BEST 2017) to be held in beautiful Whistler, BC May 10 – 12, 2017.

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

- Air Quality
- Technology/Management/Consulting in the Clean Energy Sector (Wind, Solar, Tidal)

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- Mining
- Oil & Gas
- LEED Building
- Construction and Municipal Infrastructure
  - Environmental Monitoring
  - Storm Water Management/Treatment
  - Wastewater Treatment
  - Landfill Management
- Contaminated Sites (Innovative Technologies / Practices, Case Studies, Lessons-Learned)
  - Investigation
  - Remediation
  - Risk Assessment
  - Soil Treatment (in-situ, ex-situ)
  - Groundwater treatment/containment
  - Soil Vapour Treatment/Containment
  - Brownfield Development
- Emergency Spill Response
  - Technologies
  - Case studies
  - Lessons learned
- Environmental Assessment & Permitting
- Environmental Law & Case Studies
- Environmental Policy Initiatives
- First Nations Consultation & Partnerships
  - Large Projects (Mines, Dams, Road Infrastructure, Terminals, Industrial Properties)
  - Demolition, Decommissioning
  - Investigation
  - Remediation, Reclamation
  - Case Studies
- Sustainable Business Practice Case Studies
- Upcoming Major Project Updates and Successes in Western Canada
- Urban Planning/Design/Environmental Sustainability

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, and include a presenter biography, the subject(s) you feel your presentation best suits, and must be received by January 27, 2017.

Please send submissions via e-mail to [abstracts@bceia.com](mailto:abstracts@bceia.com). Notification of acceptance will be given by February 24, 2017.

**BEST 2017** is organized by the **British Columbia Environment Industry Association (BCEIA)**. For more information, contact [info@bceia.com](mailto:info@bceia.com).

## 2016 CS E-Link Archive

### GeoEnviroPro Risk Assessment Webinar Series - December 2016

November 14, 2016

GeoEnviroPro will be holding **Human Health and Ecological Risk Assessment** webinar series (Dec 7 and 14).

Learn to identify site investigation data gaps, conduct a problem formulation, and take a conceptual exposure model through quantitative steps of human health and ecological risk assessment. Find out how risk assessment findings are used to support effective risk-based remediation solutions.

Topics covered include how to:

- develop conceptual exposure models,
- estimate exposures,
- determine toxicity reference values,
- characterize risks, and
- discuss uncertainty in risk estimates.

For registration and detailed agenda, visit <http://geoenviropro.com/events>.

### Contaminated Sites Approved Professional Society Fall Workshop - November 23rd, 2016

November 8, 2016

Please join us November 23rd for the CSAP Society's Annual Fall Workshop. Our agenda includes the latest and greatest on hot topics like professional judgement, TG4 updates, bedrock assessment, hazardous waste regulation amendments and pre-approvals. And then we'll wrap things up with a presentation on false positives in analytical data – you'll want to hear what Peter Reid has to say about VPHv.

[Registration & Agenda available now.](#)

For further information, please contact Janet Phipps at [communications@csapsociety.bc.ca](mailto:communications@csapsociety.bc.ca).

### Omnibus Webinars - Upcoming Dates

November 8, 2016

Roll-out of the Stage 10 (Omnibus) amendments to the Contaminated Sites Regulation webinar schedule

To help stakeholders understand the changes and implications of the recently approved Omnibus amendments to the Contaminated Sites Regulation (CSR), a series of 8 webinars is being delivered by the Ministry of Environment.

Webinar Schedule Table

## 2016 CS E-Link Archive

Topic	Date	Time	Link
Webinar 1 - Overview of the changes and administrative matters	Monday November 21, 2016	1:30 – 3:30pm	<a href="#">Register for Webinar 1</a>
Webinar 2 - New land uses	Thursday November 24, 2016	9:30 – 11:30am	<a href="#">Register for Webinar 2</a>
Webinar 3 - Changes to the soil standards	Monday November 28, 2016	9:30 – 11:30am	<a href="#">Register for Webinar 3</a>
Webinar 4 - Leachate tests and renewal of Protocol 2 “Site specific soil standards”	Friday December 2, 2016	9:30 – 11:30am	<a href="#">Register for Webinar 4</a>
Webinar 5 - Emerging contaminants	Tuesday December 6, 2016	1:30 – 3:30pm	<a href="#">Register for Webinar 5</a>
Webinar 6 - Changes to the vapour standards	Thursday December 8, 2016	9:30 - 11:30am	<a href="#">Register for Webinar 6</a>
Webinar 7 - Changes to the water standards	Monday December 12, 2016	1:30 – 3:30pm	<a href="#">Register for Webinar 7</a>
Webinar 8 - Effects of the CSR amendments on soil relocation	Thursday December 15, 2016	9:30 - 11:30am	<a href="#">Register for Webinar 8</a>

All webinars will use the following **call in details for audio: Phone 1-877-353-9184, Participant ID 3041102**

Any questions about the webinars can be directed to Sydney Love at [sydney.love@gov.bc.ca](mailto:sydney.love@gov.bc.ca) or 604-582-5256

## GeoEnviroPro Free Webinar: Cut-off Walls for Seepage Control

November 8, 2016

## 2016 CS E-Link Archive

On Nov 18, GeoEnviroPro is hosting a free webinar **Cut-Off Walls for Seepage Control and Containment: Thinking Inside the Box.**

This session is based on real projects and is enriched with case studies, site photos, explanatory video and references for further information.

Don't miss out on this unique free opportunity to gain an immediate overview of the dominant forms of cut-off wall construction, their strengths, weaknesses and capabilities, including data needs and key insights for prospective designers.

To register, <http://geoenviropro.com/free/>

## Omnibus Amendments to Contaminated Sites Regulation Approved

October 27, 2016

The Stage 10 (Omnibus) amendments to the Contaminated Sites Regulation (CSR) and related consequential amendments to the Hazardous Waste Regulation (HWR) and Organic Matter Recycling Regulation (OMRR) have been approved. The amendments made to the regulations are summarized in an [Update on Contaminated Sites \(PDF\)](#).

Following a 12 month transition period, these changes will come into effect on November 1, 2017. [Administrative Bulletin 3 \(PDF\)](#) prescribes the administrative process for legal instrument applications being submitted during the regulatory transition period.

The Omnibus amendment updated over 8,500 environmental quality standards. Although every effort was made to ensure that the amended standards were accurate and correct, invariably some typographical, transcription and other errors are inevitable in such a large revision. An [Erratum \(PDF\)](#) has been released that lists currently known errors in the Stage 10 amendment. The Errata will be updated and reissued throughout the year of transition as new errors are identified. All errors identified during the year of transition will be corrected in a final "house-keeping" amendment to be made to the Regulations immediately prior to the new Omnibus CSR standards coming into force on November 1, 2017. Should you identify additional errors, or suspected errors, in addition to those contained in this erratum please notify the Environmental Emergencies and Land Remediation Branch at [site@gov.bc.ca](mailto:site@gov.bc.ca).

The ministry is finalizing a schedule of 8 webinars that will be offered between mid-November to early December to provide information on the following topics:

- Overview of the changes and administrative matters
- New land uses
- Changes to the soil standards
- Changes to the vapour standards
- Changes to the water standards
- Leachate tests and renewal of Protocol 2 "Site specific soil standards"
- Emerging contaminants
- Effects of the CSR amendments on soil relocation

A schedule and registration information for these webinars is expected to be released by CSeLink by October 31, 2016.

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Any questions about the CSR Omnibus amendment or consequential amendments to the HWR and OMRR can be sent to [site@gov.bc.ca](mailto:site@gov.bc.ca). Please note that the OMRR is currently undergoing a comprehensive provincial review. For more information on the OMRR review, please visit the ministry [regulation & guidelines website](#) or send an email to [env.omrr.reg.reviews@goc.bc.ca](mailto:env.omrr.reg.reviews@goc.bc.ca).

## GeoEnviroPro Soil Vapour Webinar

October 12, 2016

**GeoEnviroPro** will be holding a three-part Soil Vapour Webinar series (Nov 16, 23 and 30). This three-part series will cover the fundamentals, theory, practice and application of soil vapour intrusion.

- Part 1 will begin with the conceptual site model, fate and transport, mathematical models, lessons learned from case studies and research, and regulatory guidance in Canada and the United States.
- Part 2 will continue with the design and implementation of effective soil vapour investigations, and will include practical tips for sampling and analysis, as well as new methods and innovative tools for data collection and interpretation.
- Part 3 will wrap-up with approaches and methods for management and mitigation of soil vapour intrusion, and will include best practices for mitigation, design and monitoring.

For registration and detailed agenda, visit <http://geoenviropro.com/events>

## SABCS Conference and Workshop - October 26 and 27, 2016

October 11, 2016

Workshop Program: **SABCS Conference and Workshop - October 26 and 27, 2016**

Now posted at <http://www.sabcs.chem.uvic.ca>

### **Contaminants of Emerging Concern – New Science, Challenges and Solutions**

The Workshop will bring together 10 speakers from across Canada and United States who are experts on approaches to investigating and remediating sites with emerging contaminants, with a focus on perfluorinated compounds (PFOS and PFAS) and 1,4-dioxane. The workshop will present the current knowledge and state of the practice for regulation, investigation and remediation of these compounds. The Ministry of Environment has made these the priority emerging contaminants for regulation in British Columbia. The workshop will be highly relevant to your practice.

The Conference on October 27 features 20 presentations on site investigation and remediation.

## GeoEnviroPro Environmental Report Writing Webinar Series

October 5, 2016

GeoEnviroPro will be holding a four-part *Environmental Report Writing Training Webinar* series (Nov 1, 3, 8 and 10; 9AM - 10:00AM PST). Writing clear and convincing technical reports is key to an environmental

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professional's success, and it requires skill, judgment and good decisions every step of the way. This online webinar series will give you new skills, insights, and confidence for tackling your next technical report.

Guided by qualified instructors who have "been there and done that," you will learn 8 simple steps to writing a high-quality environmental report. You will also have opportunities to practice your skills and obtain feedback through peer review in between webinars.

For registration and detailed agenda, visit <http://geoenviropro.com/events>

## Site Remediation in BC Conference Agenda Adjustment

September 19, 2016

The Thursday, September 22 session on First Nations and Contaminated Sites presented by Berry Hyken from Woodward & Co. will now be presented on Wednesday September 21 in the 3:00 to 4:00 time slot in Room 203-204.

## Site Remediation in BC Conference First Nation and Government Rates

September 19, 2016

There are only 2 days left to register for the Site Remediation in BC Conference. We would like to remind all first nation and government attendees that they are eligible for half price rates. Don't delay [register](#) today. The [agenda for the conference \(PDF\)](#) is available online for your reference.

## GeoEnviroPro free Site Remediation webinar series

September 19, 2016

GeoEnviroPro is hosting a free Site Remediation webinar series on Oct 21, Nov 18 and Dec 9.

Sessions include:

1. Cast in Stone: Soil and Groundwater Remediation by In Situ Soil Mixing
2. Thinking Inside the Box: Cut-off Walls for Contaminant Containment, Excavation Support and Seepage Control
3. Going with the Flow: Permeable Barriers for Groundwater Remediation and NAPL control

Attend all three or pick and choose. All sessions are based on real projects and are enriched with case studies, site photos, explanatory video and references for further information.

Don't miss out on this unique free opportunity to get a well-grounded view of how to build treatment right into the earth itself.

For more info & registration, visit <http://geoenviropro.com/>



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### 6th Annual SABCS Conference Early Registration Closes Sept. 26th

September 16, 2016

6th Annual Science Advisory Board on Contaminated Sites Conference and Workshop on Contaminated Sites - October 26 and 27, 2016

The conference program is now posted at <http://www.sabcs.chem.uvic.ca>. Early registration for the conference closes on September 26th. A registration form is on the website.

SABCS has secured the same Vancouver venues and the registration fees are unchanged from last year. The conference again features a full program of contributed papers on site investigation and remediation. The workshop on emerging contaminants has expert speakers from the US and Canada. More information can be found on the website above.

### Site Remediation in BC Conference Finalized Agenda

September 15, 2016

[The agenda for the Site Remediation in BC Conference \(PDF\)](#) has now been finalized and is available online. There is still time to [register for the conference](#) so don't miss out on this important event.

2016 Site Remediation in BC Conference Registration Reminder

September 12, 2016

Only 9 days left to register for the Site Remediation in BC Conference. Join us as the Hon. Minister Mary Polak opens the conference, and learn about what's new in a number of Natural Resource Sector ministries, including an overview of the Crown Contaminated Sites Program and the relationship of First Nations and contaminated sites.

As the theme of this conference is "Moving Towards the Future," there is also a strong focus on the future direction of MoE's Environmental Protection Division. This includes topics such as a world leading spill response regime, an omnibus standards update and future possibilities within an updated brownfields renewal strategy.

Looking beyond the province, there will be discussions related to various aspects of site remediation including the Federal Contaminated Sites Action Plan, the Canadian Groundwater Quality Guidelines, excess soil management, risk assessment and sustainability in North America and Europe, and new initiatives in brownfield strategies.

Time is running out, so please go to [www.siteremediationinbc.com](http://www.siteremediationinbc.com) to reserve your space now.

### Only 2 Weeks until the Site Remediation in BC Conference

September 6, 2016

2016 Site Remediation in BC Conference September 21-22, 2016

## 2016 CS E-Link Archive

Time is running out to register for the 2016 Site Remediation in BC Conference to be held September 21-22, 2016 at the Vancouver Convention Centre. Speakers from Europe and across North America representing government and private sector perspectives will be presenting on the technical, regulatory, social, and economic aspects of site remediation and redevelopment.

Attendees will also have the opportunity to speak one-on-one with ministry staff in our networking cafe at selected times throughout the conference. Sign-up will open during on-site conference registration, so come early to reserve your time.

Also, a limited number of poster board spaces are still available. If you are interested in showcasing a remediation project or technology, please sign-up when registering online.

To register for the conference and to sign-up for the poster board session, please go to <http://www.siteremediationinbc.com/>

## Updated Technical Guidance Documents 10 and 11 Released

September 1, 2016

Following consultation earlier this year, updated [Technical Guidance 10 \(PDF\)](#) "Guidance for a Stage 1 Preliminary Site Investigation" and [Technical Guidance 11 \(PDF\)](#) "Guidance for a Stage 2 Preliminary Site Investigation and Detailed Site Investigation" have now been released.

These documents have largely adopted current practice guidelines endorsed by the Contaminated Sites Approved Professionals and replace the existing MOE guidance documents that date back to 2005. The updated content provides additional background information and a checklist in a more usable format compatible with direct data entry.

Any questions on the revisions can be directed to [Sydney.Love@gov.bc.ca](mailto:Sydney.Love@gov.bc.ca) or [Stephen.Dankevy@gov.bc.ca](mailto:Stephen.Dankevy@gov.bc.ca).

## 2016 Site Remediation Conference Poster Session Reminder

August 22, 2016

Just a reminder to sign up for the poster board session at the 2016 Site Remediation in B.C. Conference. We have limited space available, so act quickly to be included. The poster boards will be located in a prominent area of the main conference space and will provide a great opportunity to showcase your special projects, technology or innovative approaches to site remediation. Visit [siteremediationinbc.com](http://siteremediationinbc.com) to register now!

We look forward to seeing you and your posters at the conference.

## Site Identification and Soil Relocation Intentions Papers - Comment Period Ending Soon

August 15, 2016

## 2016 CS E-Link Archive

Intentions papers regarding proposed changes to both the legal regime for the identification of contaminated sites and for soil relocation have been posted on the ministry's website for comment. Both intentions papers can be found on the [Request for Comments page](#).

**Please note that the closing date for submission of comments for both papers is August 31, 2016.**

Comments on these papers should be directed to Margaret Shaw, at [Margaret\\_Shaw@shaw.ca](mailto:Margaret_Shaw@shaw.ca). Questions about content of the identification of contaminated sites intentions paper should be directed to Kelli Larsen, at [Kelli.Larsen@gov.bc.ca](mailto:Kelli.Larsen@gov.bc.ca), and for the soil relocation intentions paper to Kerri Skelly at [kerri.skelly@gov.bc.ca](mailto:kerri.skelly@gov.bc.ca).

## Sponsorship opportunities - 2016 Site Remediation in BC Conference

August 8, 2016

Sponsorship opportunities are still available for the 2016 Site Remediation in B.C. Conference to be held on September 21-22 at the Vancouver Convention Centre. We have added some new activities that might be of interest, including sponsorship of a cappuccino café and providing complimentary refreshments at the day 1 reception. If you would like more information on how your organization can provide sponsorship, please reach out to the 2016 Site Remediation in B.C. Conference Team at [siteremediationinbc@inventaworld.com](mailto:siteremediationinbc@inventaworld.com).

## 2016 Site Remediation in BC Conference Registration

August 3, 2016

The Ministry of Environment is hosting its second Site Remediation in B.C. Conference. This is a two day conference, held on September 21 and 22, 2016, at the Vancouver Convention Centre. It features three streams: regulatory, technical and brownfields, which are ideal for representatives from government, consulting, industry, First Nations and developers. Please register at [2016 Site Remediation in B.C. Conference](#).

The theme of this year's conference is Moving Towards the Future, featuring updates on upcoming regulatory changes and innovative practices pertinent to land remediation and brownfield redevelopment in B.C. Speakers from across North America will be presenting on topics including B.C. Brownfields 2.0, sustainable remediation, spills response, residential heating oil tanks and the Federal Contaminated Sites Action Plan update, to name a few. There will be a poster viewing session and plenty of networking opportunities.

We look forward to seeing you there.

## Site Identification Intentions Paper - Comment Deadline Extended

July 22, 2016

As previously announced, an intentions paper regarding proposed changes to the legal regime for the identification of contaminated sites has been posted on the ministry's website for comment. The intentions paper can be found here.

Please note that the closing date for submission of comments has been extended to **August 31, 2016**.

## 2016 CS E-Link Archive

Comments on this paper should be directed to Margaret Shaw, at [Margaret\\_Shaw@shaw.ca](mailto:Margaret_Shaw@shaw.ca). Questions about content of the paper should be directed to Kelli Larsen, at [Kelli.Larsen@gov.bc.ca](mailto:Kelli.Larsen@gov.bc.ca).

## Science Advisory Board 2016 Conference - Registration Open

July 22, 2016

6th Annual SABCS Conference and Workshop on Contaminated Sites October 26 and 27, 2016

Registration is now open for the Scientific Advisory Board for Contaminated Sites in BC (SABCS) Conference and Workshop at <http://www.sabcs.chem.uvic.ca>.

SABCS has secured the same Vancouver venues and the registration fees are unchanged from last year. The conference again features a full program of contributed papers on site investigation and remediation. The workshop on emerging contaminants has expert speakers from the US and Canada. More information can be found on the website above.

## CSR and HWR Decoupling Amendments Approved

July 22, 2016

On July 19, 2016, the BC government amended the Hazardous Waste Regulation (HWR) and the Contaminated Sites Regulation (CSR) under the Environmental Management Act (EMA) to “decouple” certain provisions of the CSR and the HWR for on-site managed environmental media. Read the [update summarizing these amendments \(PDF\)](#).

The EMA and the CSR collectively provide a comprehensive regulatory framework for the remediation of contaminated sites of all types. This framework includes regulatory checks and balances through the review and approval of remediation plans, and on-going monitoring of remediation activities to ensure the environmentally sound management of on-site contamination.

It is important to note that these amendments apply only to the management of contaminated environmental media on the site of origin. Where contaminated media meeting the characterisation standards of hazardous waste are transported or disposed of off the contaminated site, the HWR continues to apply. In addition, materials that do not meet the definition of “on site media”, such as containerized hazardous waste or hazardous waste discharges, mine tailings and waste rock and waste materials from other industry processes that qualify as hazardous waste, will continue to be regulated as they currently are under the HWR regardless of where they are located (on a contaminated site or not).

These amendments will be the subject of a presentation at the upcoming **2016 Site Remediation in BC Conference, September 21-22, 2016**, in Vancouver.

Questions on these amendments can be directed to: [hwrcsrdecoupling.reg.reviews@gov.bc.ca](mailto:hwrcsrdecoupling.reg.reviews@gov.bc.ca) or [site@gov.bc.ca](mailto:site@gov.bc.ca).

## New Analytical Method Posted for Review

July 19, 2016

## 2016 CS E-Link Archive

The following new analytical method: "Extractable Petroleum Hydrocarbons (EPH) in Solids by GC/FID" developed with the assistance of the British Columbia Environmental Laboratory Technical Advisory Committee (BCELTAC), has now been posted for review to the ministry's Sampling, Methods & Quality Assurance webpage, BC Environmental Laboratory Manual, "[Methods Posted for Review](#)".

Please provide comment on the new method by August 20, 2016 to, Joyce Austin, Senior Provincial Laboratory Specialist, Knowledge Management Branch at [Joyce.Austin@gov.bc.ca](mailto:Joyce.Austin@gov.bc.ca).

Technical questions regarding the proposed new method should be directed to, Mark Hugdahl (BCELTAC Chair) at [Mark.Hugdahl@alsglobal.com](mailto:Mark.Hugdahl@alsglobal.com).

## Reminder: Webinar - Soil Relocation Intentions Paper

July 13, 2016

As previously announced, an intentions paper regarding proposed changes to the legal regime for soil relocation has been posted on the ministry's website for comment. Read the [Soil Relocation Intentions paper \(PDF\)](#) on the Site Remediation Request for Comments website.

A webinar discussing the intentions paper is schedule for:

**Tuesday, July 19, 2016**  
**10:00-11:30am**

Interested parties should contact Margaret Shaw at [margaret\\_shaw@shaw.ca](mailto:margaret_shaw@shaw.ca) to register for the webinar, space is limited.

## Land Remediation Section's 2013 - 2015 Biennial Report Posted

July 7, 2016

British Columbia continues to make steady progress investigating and remediating contaminated sites in the province. The Land Remediation Section's latest Biennial Report summarizes the progress and highlights the major milestones the Land Remediation Section has achieved between April 1, 2013 to March 31, 2015. View the [2015 Biennial Report](#).

## Soil Relocation Intentions Paper released for comment

July 6, 2016

Following consultation on a 2015 discussion paper, the Ministry is proposing changes to the current soil relocation process to streamline the regulatory framework and improve the Ministry's ability to track the movement of contaminated soil to ensure soil relocation is safe and appropriate. We welcome your comments on the proposed process outlined in the [Soil Relocation Intentions Paper \(PDF\)](#) by **August 31, 2016**.

Comments on this paper should be directed to Margaret Shaw, at [Margaret\\_Shaw@shaw.ca](mailto:Margaret_Shaw@shaw.ca). Questions about content of the paper should be directed to Kerri Skelly, at [Kerri.Skelly@gov.bc.ca](mailto:Kerri.Skelly@gov.bc.ca).

## 2016 CS E-Link Archive

Just a reminder that the [Site Identification Intentions Paper \(PDF\)](#) is still open for comment until **July 31, 2016**.

## 6th Annual SABCS Conference on Contaminated Sites - October 27, 2016

July 4, 2016

An Extended Call for abstracts is now open, posted at <http://www.sabcs.chem.uvic.ca>. **The closing date is July 11, 2016**. SABCS is able to consider a further 5-6 presentations in addition to the excellent papers that have been received.

The SABCS 6th Annual Conference and Workshop on Contaminated Sites is being held on October 26th and 27th 2016. We have secured the same convenient venues in downtown Vancouver. Mark these dates and locations in your calendar.

### October 27, 2016

SABCS 6th Annual Conference on Contaminated Sites  
Segal Building, Room 1200 – 1500, 500 Granville Street, Vancouver, BC

### October 26, 2016

SABCS 6th Annual Technical Workshop on Contaminated Sites  
Earl and Jennie Lohn Policy Room, SFU Harbourside Centre, 515 West Hastings Street, Vancouver, BC

Please contact the conference chair, Zahra Pirani for further details on opportunities for sponsorship or for general conference inquiries at [zahra.pirani@ch2m.com](mailto:zahra.pirani@ch2m.com) or 604-358-1379.

## Site Remediation in BC Conference - Early Bird Special Final 4 Days

June 27, 2016

There are four days left to register at the early bird rate for the Ministry of Environment's Second Site Remediation in B.C. Conference, being held on September 21-22, 2016 at the Vancouver Convention Centre. Register before midnight on June 30, 2016 to receive early-bird ticket pricing - \$600 + tax (full price \$750 + tax).

This landmark event will bring together industry, Government, academia and communities to discuss the important role of site remediation in the Province's future development while learning about regulatory changes and innovative practices.

### Conference Agenda and Themes

The 2016 Conference will focus on three key streams, Regulatory, Technical and Brownfields, to drive conversations across the two-day event. Track sessions will explore important information around policy and process as well as practical applications and case studies. The full agenda is now available while speakers will be announced over the coming months on the event website.

## 2016 CS E-Link Archive

Visit [siteremediationinbc.com](http://siteremediationinbc.com) to learn more and register!

### 2016 Site Remediation in BC Conference - Poster Board Session

June 22, 2016

We invite you to be a part of the Future Focus Poster Board Session: Innovation, Sustainability and B.C.'s Opportunities at the 2016 Site Remediation in B.C. Conference. The Poster Board Session will give industry the opportunity to showcase their skills and knowledge within the following categories:

- Groundwater
- Soil
- Vapour
- Sediment
- Risk Management

Posters will be displayed during the entire conference to provide opportunities for further discussion during some of the social activities. We also ask that during lunch breaks that a representative from your organization is present to answer any questions.

If you are interested in participating in the Poster Board Session, please contact the 2016 Site Remediation in B.C. Conference Team at [siteremediationinbc@inventaworld.com](mailto:siteremediationinbc@inventaworld.com) or 604-687-0544. Please note that **Poster Session submissions close on September 16, 2016.**

### 2016 Site Remediation in BC - Sponsorship Invitation

June 20, 2016

The Ministry of Environment is hosting the **2016 Site Remediation in B.C. Conference: Moving Towards the Future** on September 21-22, 2016 at the Vancouver Convention Centre. This landmark event will bring together industry, Government, academia and communities to discuss the important role of site remediation in the Province's future development while learning about regulatory changes and innovative practices.

The 2016 Conference Agenda focuses on three key streams, Regulatory, Technical and Brownfields, to drive conversations across the two-day event. Participants will have the opportunity to attend track sessions that will explore important information around policy and process, learn about practical applications and case studies, and network with their peers at hosted social events.

Sponsorship opportunities are available for industry to help support this fantastic event. The conference is expected to have similar numbers as the 2013 conference in excess of 400 attendees. Please review the attached sponsorship package, which provides an overview of the sponsorship tiers and associated benefits. If you would like to move forward and confirm your organization's sponsorship, please reach out to the 2016 Site Remediation in B.C. Conference Team at [siteremediationinbc@inventaworld.com](mailto:siteremediationinbc@inventaworld.com).

To learn more about the conference visit [www.siteremediationinbc.com](http://www.siteremediationinbc.com).

## 2016 CS E-Link Archive

### Site Remediation in BC Conference Agenda Posted

June 13, 2016

JOIN US AT THE 2016 SITE REMEDIATION IN BC CONFERENCE.  
EARLY-BIRD REGISTRATION AVAILABLE UNTIL JUNE 30, 2016

The 2016 Site Remediation in B.C. Conference, will be held on September 21-22, 2016 at the Vancouver Convention Centre. This landmark event that will bring together industry, Government, academia and communities to discuss the important role of site remediation in the Province's future development while learning about regulatory changes and innovative practices. Register as an attendee before midnight on June 30, 2016 to receive early-bird ticket pricing - \$600 + tax (full price \$750 + tax).

#### CONFERENCE AGENDA AND THEMES

The 2016 Conference will focus on three key streams, Regulatory, Technical and Brownfields, to drive conversations across the two-day event. Track sessions will explore important information around policy and process as well as practical applications and case studies. Our [full agenda is now available for viewing](#). Speakers will be announced over the coming months so please visit our event website for updates.

#### REGULATORY TRACK

Featured Session: Crown Contaminated Sites

Overview of Crown Contaminated Sites Program including the risk ranking model, assessment of liability under PS3260 and a case study of Bralorne-Takla mine site.

#### TECHNICAL TRACK

Featured Session: Remediation Technologies

Mobile On-Site Remediation Technology and Case Study; A description of cost effective mobile, on-site, technology and equipment for cleaning up hydrocarbon contaminated soil.

#### BROWNFIELDS TRACK

Featured Session: The Way Forward to Success and Next Steps in BC

PS3260 is having a dramatic impact on how local government looks at their Brownfields. We'll have an update on this policy and then wrap the conference with a look forward at the provincial direction, lessons learned and challenges to be tackled.

#### CONFERENCE SPONSORS

We would also like to thank our supporting sponsors AGAT Laboratories and the Contaminated Site Approval Professionals Society. To find out more about sponsorship opportunities please contact [siteremediationinbc@inventaworld.com](mailto:siteremediationinbc@inventaworld.com).

### Update regarding Request for Comments on Intentions Papers

June 8, 2016



## 2016 CS E-Link Archive

As previously announced, an intentions paper regarding the identification of contaminated sites has been posted on the ministry's [Land Remediation website for comment](#). Please note that posting of the intentions paper on soil relocation has been postponed until further notice and the associated webinar has been cancelled.

A second webinar has now been added for the Identification of Contaminated Sites intentions paper, specifically for *local government* participants. The schedule for webinars is as follows:

### Wednesday, June 15, 2016

- 9:00 - 10:30am Identification of Contaminated Sites Intentions Paper (General Public)
- 1:30 - 3:00pm Identification of Contaminated Sites Intentions Paper (Local Government Participants Only)

Interested parties should contact Margaret Shaw at [margaret\\_shaw@shaw.ca](mailto:margaret_shaw@shaw.ca) to register for the webinars, space is limited. Please indicate which webinar you are registering for. If you have already responded and wish to change your registration, please contact Margaret Shaw. Those who have signed up for the soil relocation webinar will receive a cancellation email.

## Webinars - Site Identification and Soil Relocation Intentions Papers

May 30, 2016

As previously announced, an intentions paper regarding site identification has been posted on the ministry's [Land Remediation website for comment](#), and an intentions paper regarding soil relocation will be posted shortly.

Webinars for both intentions papers were originally scheduled for June 8, 2016; however, due to a scheduling conflict, the webinars **have been moved to Wednesday, June 15, 2016** as follows:

9:00-10:30am - Identification of Contaminated Sites Intentions Paper

1:30-3:00pm - Prevention of Contamination from Soil Relocation

Interested parties should contact Margaret Shaw at [margaret\\_shaw@shaw.ca](mailto:margaret_shaw@shaw.ca) to register for the webinars, space is limited. Please indicate which webinar(s) you are registering for. Those who have already contacted Margaret Shaw regarding the original webinar, please contact her to confirm your interest for the new date and times.

## Request for Comments on Technical Guidance 10 and 11

May 27, 2016

The Ministry of Environment's Land Remediation Section has updated Technical Guidance Documents 10 and 11, based on comprehensive input by the Contaminated Sites Approved Professional Society. Prior to finalizing these documents the ministry is providing the public and stakeholders the opportunity to review and comment on the draft documents.

## 2016 CS E-Link Archive

Interested parties are encouraged to read [Technical Guidance 10: Guidance for a Stage I Preliminary Site Investigation](#) (PDF) and [Technical Guidance 11: Guidance for a Stage II Preliminary Site Investigation and Detailed Site Investigation](#) and provide comments to the ministry by **June 30, 2016**. Please direct all questions or comments to [Sydney.Love@gov.bc.ca](mailto:Sydney.Love@gov.bc.ca) or [Stephen.Dankevy@gov.bc.ca](mailto:Stephen.Dankevy@gov.bc.ca).

## Request for comments on intentions papers for Site Identification and Soil Relocation

May 25, 2016

The Ministry of Environment's Land Remediation Section is reviewing aspects of British Columbia's site remediation legal regime for (1) site identification (site profiles) and (2) soil relocation. An intentions paper regarding site identification has been posted on the [ministry's Land Remediation website](#) for comment, and an intentions paper regarding soil relocation will be posted shortly. The intentions papers and their comment forms can be viewed and downloaded from the website.

Interested parties are encouraged to read the intentions papers and comment on them. The closing date for submitting comments is July 31, 2016. This consultation follows up the ministry's previous consultation on two related discussion papers posted in October 2014.

If you have any questions regarding the consultation process, please contact Margaret Shaw, whom the ministry has contracted to manage some aspects of the consultation process, at [margaret\\_shaw@shaw.ca](mailto:margaret_shaw@shaw.ca) or Margaret Shaw, MSc, Writer/Editor/Consultant, 703 Macintosh Street, Coquitlam, B.C., V3J 4Y4.

Before submitting a response, interested parties are invited to participate in a webinar scheduled to be held on Wednesday June 8, 2016. Please contact Margaret Shaw for more information.

We sincerely appreciate your time and consideration.

## GeoEnviroPro Update on Contaminated Sites Regime - June 9, 2016

May 24, 2016

**GeoEnviroPro** is holding its annual **Update on Contaminated Site Regime** seminar in downtown Vancouver on **June 9th**. This seminar brings together provincial, technical, and industry experts to present and discuss the changes and critical issues in a one-day format. Topics covered include:

- An update from the province on the omnibus standards;
- Changes in direction on groundwater policy and implications for the CSR;
- Recent and pending changes to several guidance documents and protocols including groundwater remediation requirements, soil vapour, and communications;
- Monitored natural attenuation (MNA), including draft new guidance and case studies;
- Industry and legal perspectives and experience; and
- An update on federal guidance for MNA, Site Characterization, and ERA.

If you deal with contaminated sites as a regulator, consultant or property owner, you need to be aware of these evolving requirements and expectations.

## 2016 CS E-Link Archive

For Agenda & Registration, visit <http://geoenviropro.com/events/annual-update-on-contaminated-site-regime-in-british-columbia/>

## 2016 CSAP Application Deadline is June 10th

May 20, 2016

The deadline for submitting applications for the 2016 membership examinations for the Contaminated Sites Approved Professionals (CSAP) Society is June 10 2016.

Other related dates:

- Numerical Standards test – November 1st
- Regulatory test – November 2nd
- Risk-based Standards test - November 3rd

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

- Examination guides and fee information at: [Guidelines](#)
- Experience review information and application at: [Experience Review](#)

Information regarding the dates, time and location of the 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](mailto:cschachtel@csapsociety.bc.ca).

## GeoEnviroPro Environmental Report Writing Workshop on May 27, 2016

May 9, 2016

**GeoEnviroPro** will be holding a one-day **FROM SITE TO STORY: 8 Steps to Better Environmental Report Writing** workshop on **May 27th** in Fort St. John, BC.

This workshop is designed for those who write about environmental issues and contaminated site assessments. It covers writing clear and convincing technical reports, which is key to an environmental professional's success.

This workshop will give you new skills, insights, and confidence for tackling your next technical report and an opportunity to practice. Two intertwined threads of learning extend through the whole course: the report-writing process and specific writing skills. The writing process can be broken down into simple steps, including:

- Plan before you write
- Write the first draft faster
- Revise one step at a time
- Make the story come alive

## 2016 CS E-Link Archive

For registration and detailed agenda, visit <http://geoenviropro.com/events/from-site-to-story-8-steps-to-better-environmental-report-writing/>

## 2016 Site Remediation in BC Conference Poster Session Announcement

April 27, 2016

### Future Focus Poster Board Session: Innovation, Sustainability and B.C.'s Opportunities

The Land Remediation Section is currently looking for those interested in participating in the Future Focus Poster Board Session at the 2016 Site Remediation in B.C. Conference. Please register for this session during your registration for the conference. Posters will be displayed during the entire conference to provide opportunities for interaction and discussion with attendees. As well, we will direct the attendees to visit the poster board area during some of the key social activities, such as lunches and the evening reception. We ask that during these times a representative from your organization is present to answer any questions.

Please ensure that you have indicated which category your poster will represent on the conference registration site as per the categories below.

#### Poster Categories

- Groundwater
- Soil
- Vapour
- Sediment
- Risk Management

Each poster's content should connect to themes of the Future Focus Poster Board Session: Innovation, Sustainability and B.C.'s Opportunities.

For all poster submission questions, please contact The 2016 Site Remediation in B.C. Conference Team at [siteremediationinbc@invenaworld.com](mailto:siteremediationinbc@invenaworld.com) or 604-687-0544.

**Poster Session submissions close on September 16, 2016.**

## Site Remediation Conference in BC Sponsorship Opportunities

April 22, 2016

The Site Remediation in B.C. Conference is made possible through the support of our sponsors. If you are interested in sponsoring the conference, please email [siteremediationinbc@inventaworld.com](mailto:siteremediationinbc@inventaworld.com) for more information.

We continue to develop an engaging conference program, which will be released shortly. Please visit the [conference website](#) regularly to see what is new or to register for this event.

## 2016 CS E-Link Archive

### 6th Annual SABCS Conference on Contaminated Sites Oct. 27, 2016

April 18, 2016

The Science Advisory Board for Contaminated Sites in BC (SABCS) 6th Annual Conference and Workshop on Contaminated Sites is being held on October 26th and 27th, 2016 in downtown Vancouver. Please mark these dates and locations in your calendar:

#### **October 27, 2016**

SABCS 6th Annual Conference on Contaminated Sites  
Segal Building, Room 1200 – 1500, 500 Granville Street, Vancouver, BC

#### **October 26, 2016**

SABCS 6th Annual Technical Workshop on Contaminated Sites  
Earl and Jennie Lohn Policy Room, SFU Harbourside Centre, 515 West Hastings Street, Vancouver, BC

We would also like to notify prospective presenters that a **CALL FOR ABSTRACTS** is now open and is posted on the conference website at <http://www.sabcs.chem.uvic.ca>. The **closing date is June 3** to provide ample time for planning and approvals.

Please contact the conference chair, Zahra Pirani for further details on opportunities for sponsorship or for general conference inquiries at [zahra.pirani@ch2m.com](mailto:zahra.pirani@ch2m.com) or 604-358-1379.

### 2016 Site Remediation in B.C. Conference - Registration Open

April 5, 2016

It's Time.

Registration for the ministry's 2016 Site Remediation in B.C. - Moving Towards the Future conference to be held on September 21-22, 2016 is now open. Please go to [2016 Site Remediation in B.C. Conference](#) to register now. Sign up for our conference poster session within the general registration if you are interested.

This will be a must-attend event for government, consulting and industry representatives, developers and others looking to learn more about regulatory changes and innovative practices related to land remediation and brownfield redevelopment in B.C.

Early bird rates and discounts for government employees and First Nation representatives are available. See the site for details.

Sponsorship opportunities are also available. More information on sponsorship to follow.

### CSR Omnibus Information Session Presentation Now Posted

March 22, 2016

In response to a number of requests from organizations and individuals who were unable to attend the March 7, 2016 Land Remediation Facilitated Stakeholder Information Session, the [presentation on the](#)

## 2016 CS E-Link Archive

[summary protocol papers](#) used to calculate the numerical standards for the proposed Amendment to the Contaminated Sites Regulation, has now been posted to our website.

Please note that the information provided in the presentation remains subject to change or modification.

Furthermore, please note that the examples of selected DRAFT Omnibus Standards presented at the session are not available for public release as they are subject to ministerial privilege and confidentiality.

If you have any questions relating to the presentation, please contact Dr. Glyn Fox at [glyn.fox@gov.bc.ca](mailto:glyn.fox@gov.bc.ca)

## BEST 2016 Conference Registration

March 16, 2016

Join us for the third annual Bettering Environmental Stewardship & Technology (BEST) Conference, taking place May 25 – 27, 2016 at the beautiful Fairmont Chateau Whistler in Whistler, B.C.

EARLY BIRD REGISTRATION ENDS FRIDAY, MARCH 25!

- BCEIA Members           \$600
- Non Members             \$750
- For information or to register, visit: <http://www.bestconference.net/>

Program Finalized!

The program for BEST 2016 has been finalized and can be found on the website at: <http://www.bestconference.net/program.html>. Topics at BEST 2016 will include an introduction from Deputy Minister of Environment, Wes Shoemaker; provincial regulatory updates; a Spill Response stream; and a variety of other industry topics.

Keynote Speakers Announced!

**Gary Shigenaka, Senior Biologist, National Oceanic & Atmospheric Administration's Emergency Response Division (Seattle)**. Gary provides biological and shoreline assessment support during spills of oil and hazardous chemicals in the US and internationally, including the 1989 Exxon Valdez spill. He will talk about his more than 20 years of experience with oil and oil spills.

**Ryan Harris, Senior Underwater Archaeologist, Parks Canada's Underwater Archaeology Team**  
"Lost Beneath the Ice: The Search for Franklin's Lost Ships and the Discovery of HMS Erebus"

## 2016 Site Remediation in B.C. Conference Update

March 16, 2016

We are pleased to announce that the program for the **2016 Site Remediation in B.C. Conference** is nearing completion. We have identified a limited number of opportunities for additional presentations and/or case studies. If you are interested in participating in our conference, please submit an abstract, no longer than

## 2016 CS E-Link Archive

300 words, to [kerri.skelly@gov.bc.ca](mailto:kerri.skelly@gov.bc.ca) by **April 8, 2016** outlining your topic. We are particularly interested in presentations that are relevant to the following topic areas:

- Sustainable Remediation Practices and Technologies
- The Impact of the New Substances in the Omnibus Standards Amendments
- Risk Assessment and Risk Management
- Brownfields

Please note that registration for the conference will open shortly. Information on how to register will be coming soon.

## Application Submission to Write 2016 CSAP Exams is Open

March 15, 2016

The Contaminated Sites Approved Professionals (CSAP) Society is now accepting applications for the 2016 membership examinations.

Deadline for exam applications: June 10 2016.

- Numerical Standards test – November 1st
- Regulatory test – November 2nd
- Risk-based Standards test - November 3rd

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

- Examination guides and fee information at: [Guidelines](#)
- Experience review information and application at: [Experience Review](#)
- Information regarding the dates, time and location of the 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](mailto:cschachtel@csapsociety.bc.ca)

## GeoEnviroPro Contaminated Fundamentals Training Webinars

March 9, 2016

**GeoEnviroPro** will be holding a nine-part **Contaminated Fundamentals Training Webinar** Series (April 14, 19, 21, 26 & 28 and May 3, 5, 10 & 12, 2016; NINE Tuesday and Thursday Sessions: 8:30 to 10:00 am PST). This on-line training, taught by contaminated sites experts, will provide you with the fundamentals of contaminated sites science, engineering and regulation through real life examples.

These sessions are best attended in progression; you also have the option of signing up for individual sessions:

- Session 1 – The Conceptual Site Model and Regulatory Requirements (Apr 14th)
- Session 2 – Site Investigation Planning and Interpretation (Apr 19th)

## 2016 CS E-Link Archive

- Session 3 – Hydrogeology Fundamentals and Groundwater Fate and Transport (Apr 21st)
- Session 4 – Soil Vapour Fundamentals and Vapour Intrusion Assessment (Apr 26th)
- Session 5 – Ecological Risk Assessment (Apr 28th)
- Session 6 – Human Health Risk Assessment (May 3rd)
- Session 7 – Site Remediation and Risk Management (May 5th)
- Session 8 – Monitored Natural Attenuation (May 10th)
- Session 9 – Practical Statistics (May 12th)

For registration and detailed agenda, visit [www.geoenviropro.com](http://www.geoenviropro.com)

## CSR Standards Protocol Papers Released

March 8, 2016

### Revised protocol papers released

The final summary CSR standard protocol papers have now been posted for information at the [Land Remediation web page](#). These protocols reflect revisions and decisions made as a result of stakeholder consultation undertaken in 2015. The final protocols described in these papers will be used to derive the updated CSR standards being progressed as Stage 10 CSR amendments in the coming months.

## Monday's Session on Omnibus Standards Update is Full

March 3, 2016

The facilitated CSR Information Session on Monday March 7th is now at capacity. Thank you all for your interest, however due to space limitations **only those who received a confirmation email** have a reserved space and are registered to attend.

## CSR Omnibus Information Session

March 2, 2016

The Land Remediation Section is hosting a facilitated information session in Vancouver on Monday, March 7th on the proposed changes to the standards of the Contaminated Sites Regulation (Stage 10 Amendments). Select examples of DRAFT Standards will be presented at this session.

While the majority of seats have been allocated to stakeholders who submitted formal comment to the Ministry in the summer 2015, a limited number of seats are also available on a first come first serve basis to any interested party.

If you are interested in attending, please RSVP by 4pm March 3rd, seats will be allocated Friday morning.

Please RSVP to Aimée Brisebois [aimee.brisebois@gov.bc.ca](mailto:aimee.brisebois@gov.bc.ca) with the subject line **RSVP Vancouver**.

Given that there are limited additional seats we would recommend you respond with your interest as soon as possible.



## 2016 CS E-Link Archive

### Event Information

Monday, March 7, 2016  
8:00 am to 12:00 pm (noon)

UBC Robson Square, HSBC Hall  
800 Robson St, Vancouver, BC

## Reminder to Complete Omnibus Standards Survey

February 26, 2016

The Ministry proposes to incorporate a “transition period” for the updated standards of the Omnibus Amendment to the Contaminated Sites Regulation to come into force. The purpose of this transition period is to provide a window of time for responsible persons for sites to adjust their remediation plans to accommodate the changes in the updated standards.

A survey is open until February 29, 2016 to capture the opinions of stakeholders as to how long that transition period should be. Please complete the survey by **February 29, 2016** to have your opinion counted  
Visit: <https://www.surveymonkey.com/r/RZXXTRV>

## GeoEnviroPro Workshop - March 10, 2016

February 23, 2016

GeoEnviroPro will be holding a workshop “**Beyond Data: Better Investigations- Better Results**” on **March 10, 2016** in Vancouver, BC.

This workshop takes investigation and interpretation of site contamination to a new level. Learn to develop and use a Conceptual Site Model (“CSM”) to save time and money. Develop focused investigations with meaningful conclusions and gather the right information to demonstrate successful remediation. This highly interactive one-day workshop uses many real world examples and the latest concepts in adult learning to build your knowledge and improve your interpretation and reporting skills. Working in small groups, you will sink your teeth into the data, draw out the relevant fate and transport processes, and actively participate. Strategically linked lectorettes describe current and innovative approaches to site investigation, risk management and cleanup.

For registration and detailed agenda, visit [GeoEnviroPro.com](http://GeoEnviroPro.com)

## Survey - Transition period for CSR Stage 10 Amendments

January 25, 2016

Based on stakeholder comments received on the [Omnibus Updating of Contaminated Sites Regulation \(CSR\) Standards Draft Discussion documents](#), the Ministry proposes to incorporate a transition period for the standards updated during the CSR Stage 10 Amendment. The purpose of this transition period is to provide a window of time for responsible persons to adjust their remediation plans to accommodate the changes in the updated standards.

## 2016 CS E-Link Archive

Please voice your opinion on how long the transition period should be by completing the survey found here: <https://www.surveymonkey.com/r/RZXXTRV>.

## BEST 2016 Conference

January 25, 2016

### BEST 2016 CONFERENCE

**FAIRMONT CHATEAU WHISTLER | WHISTLER, BC | MAY 25 - 27, 2016**

Call for Abstracts

Presenters receive 50% off registration price

The **British Columbia Environment Industry Association** invites submissions of papers and technical presentations for its third annual Bettering Environmental Stewardship and Technology (BEST 2016) conference to be held in beautiful Whistler, BC May 25 – 27, 2016.

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

- Air Quality
- Clean Energy
- Mining
- Oil & Gas
- LEED Building
- Construction and Municipal Infrastructure
  - Environmental Monitoring
  - Storm Water Management/Treatment
  - Wastewater Treatment
  - Landfill Management
- Contaminated Sites - Innovative Technologies / Practices, Case Studies, Lessons-Learned
  - Investigation
  - Remediation
  - Risk assessment
  - Soil treatment (in-situ, ex-situ)
  - Groundwater treatment/containment
  - Soil vapour treatment/containment
  - Brownfield development
- Emergency Spill Response
  - Technologies
  - Case studies
  - Lessons learned
- Environmental Assessment & Permitting
- Environmental Law & Case Studies

## 2016 CS E-Link Archive

- Environmental Policy Initiatives
- First Nations Consultation & Partnerships
- Large Projects - Mines, Dams, Road Infrastructure, Terminals, Industrial Properties
  - Demolition, decommissioning
  - Investigation
  - Remediation, reclamation
  - Case studies
- Sustainable Business Practice Case Studies
- Upcoming Major Project Updates and Successes in Western Canada
- Urban Planning/Design/Environmental Sustainability

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 29, 2016.

Please send submissions via e-mail to [abstracts@bceia.com](mailto:abstracts@bceia.com). Notification of acceptance will be given by February 24, 2016. Full presentations must be submitted by April 15, 2016.

**BEST 2016** is organized by the **British Columbia Environment Industry Association (BCEIA)**. For more information, contact [info@bceia.com](mailto:info@bceia.com).

## GeoEnviroPro Short Courses - February 18, 2016

January 21, 2016

**GeoEnviroPro** will be holding the following two short courses on February 18, 2016:

- **Fundamentals of Spill Response:** This “Spills 101” is an introduction to response operations for environmental managers and environmental service suppliers new to response operations (or newly responsible for their direction). Get a clear overview of response operations, preparedness, training requirements, health and safety, pending regulatory changes and specialty skill sets like SCAT (Shoreline Cleanup and Assessment Technique) and ICS (Incident Command System). Presented in conjunction with BC HAZMAT, one of BC’s sources for the ICS, TDG, HAZWOPER and SCAT training critical to safe and effective emergency response.
- **Clean Enough – Closing Out Response Liability:** Invaluable for those managing spill response liability, this session covers the strategic transition from response phase to project phase, Provincial legal instruments as an endpoint and the use of both risk assessment and monitored natural attenuation to close out responses and extinguish liability. The information in this session is critical to those storing, hauling or handling hazardous materials.

For information and registration: [GeoEnviroPro.com](http://GeoEnviroPro.com)

## Announcement: B.C. MOE 2016 Land Remediation Conference

January 14, 2016

## 2016 CS E-Link Archive

### B.C. MOE 2016 Land Remediation Conference

The B.C. Ministry of Environment will host their second Land Remediation Conference on September 21 and 22 this year. In 2013, the BC MOE held a highly successful conference on the state of the industry in B.C. This fall we plan to provide an even more extensive agenda. This will be a must-attend event for government and industry representatives, developers and others looking to learn more about regulatory changes and innovative practices related to land remediation in B.C.

The conference will be held at the [Vancouver Convention Centre](#) in beautiful Vancouver, B.C.

Stay tuned for additional conference details and information on sponsorship opportunities.

Vincent C. Hanemayer  
Senior Contaminated Sites Officer

### Workshop: Ecological RA - Mt. Polley Tailings Breach

January 14, 2016

GeoEnviroPro will be holding a half-day workshop on Feb 23, 2016: Terrestrial TRIAD in Ecological Risk Assessment – Mt. Polley Mine Tailings Dam Breach. This workshop provides a new approach to ecological risk assessments for large wildlands sites, like the Mount Polley Mine. The participants will learn about the investigation approaches used and how the TRIAD weight of evidence risk assessment methods and tools were applied to forest ecology restoration and management at the site. Topics discussed include:

- Mine geology and process
- Conceptual Site Exposure Model (CSEM) for the tailings released
- Site investigation based on terrestrial habitat plots and stratification
- Soil community diversity and abundance
- Toxicity testing
- Weight-of-evidence assessment
- Terrestrial receptors impacts and limitations
- Forest ecology restoration plans and management

For registration and detailed agenda, group. visit <http://geoenviropro.com>

### GeoEnviroPro Webinars - February 2, 9 and 16, 2016

January 6, 2016

GeoEnviroPro will be holding a three-part Webinar Series (February 2, 9 & 16, 2016) on conducting ecological risk assessments. This workshop takes ecological risk assessment to a practical level, giving you an understanding of the process, touching on where guidance ends and “best practice” takes over, and focusing on what really matters in terms of protection of the environment and meeting regulatory requirements.

This Webinar series provides a comprehensive guide to:

## 2016 CS E-Link Archive

- The importance of a robust site characterization
- Identification of data gaps
- Developing a conceptual exposure model
- Estimating contaminant exposure for a variety of ecological receptors
- Measuring adverse effects and developing toxicity reference values
- Characterizing and communicating risk
- Identifying uncertainties and determining their importance
- Navigating the maze of risk assessment jargon

For registration and detailed agenda, visit [www.geoenviropro.com](http://www.geoenviropro.com).