

Reminder - CSAP's Fall PD Workshop on November 15th

November 6, 2018

CSAP Fall PD Workshop

Climate Adaptation

November 15, 2018 @ 9:00 am - 4:00 pm

Vancouver Convention Centre – West Building (1055 Canada Place, West Meeting Room Level 2 Rooms 211-214, Vancouver)

Update: All Land Remediation Section staff, from the Ministry of Environment and Climate Change Strategy will be attending CSAP's Fall PD Workshop on November 15th, making it a great networking opportunity for all attendees. In the morning, the Ministry Management team and staff will be discussing TB-3 Regional Background Concentrations for Select Substances in Groundwater, Waste Discharge Authorizations at Contaminated Sites, LRS Overview, and Changes to the Site identification Process.

In the afternoon, we will explore the theme of Climate Adaption and will feature presentations from local expertise including Trevor Murdock, a Climate Scientist with Pacific Climate Impacts Consortium in Victoria, BC, Angela Danyluk, a Sustainability Specialist with the City of Vancouver, Mo Mofrad, a Project Engineer for the Port of Vancouver, and Sean Smith, an Asset Management and GIS Integration Specialist also from the Port of Vancouver.

As in past years, we will wrap-up with a Panel Discussion centred around this theme, with representatives from Provincial Ministry staff (Land Remediation Section); CSAP and our guest presenters. Questions will be taken from the audience.

We look forward to seeing you at the workshop.

For Agenda and to register, go to <https://csapsociety.bc.ca/events/>

Proposed Update to the Environmental Data QA Regulation

October 18, 2018

The B.C. Ministry of Environment and Climate Change Strategy, after extensive study and consultation, is considering revisions to update the Environmental Data Quality Assurance Regulation (EDQAR). The proposed changes are captured in an Intention Paper (IP) entitled "Assuring Data Quality for Environmental Regulation in B.C." and can be accessed below.

The comment period for the IP opens on October 17, 2018 and all stakeholders are invited to make comments on the proposals in the IP. Your input and that of all stakeholders in the province will be taken into consideration as we refine the changes to the EDQAR to serve the best interests of the people of B.C.

You will find the comment form and submission details at the links below.

- [EDQAR Intentions Paper](#)
- [EDQAR IP Comment Submission Document](#)

As part of the public consultation, public meetings will be held on November 14 and 15, 2018. There will be further information on that as the arrangements are completed.

Thank you for your interest in the EDQAR update and we look forward to your comments.

If you have any further questions, please contact: Edgarupdate.comment@jrdconsulting.com

Upcoming Event: CSAP Fall PD Workshop

October 17, 2018

CSAP Fall PD Workshop: Climate Adaptation

November 15, 2018 @ 9:00 am - 4:00 pm

Vancouver Convention Centre – West Building (1055 Canada Place, West Meeting Room Level 2 Rooms 211-214, Vancouver, B.C.)

CSAP Society will be hosting its annual Professional Development Workshop on Thursday, November 15th. The purpose of the workshop is to provide a forum for Approved Professionals and other interested parties to explore the latest developments in contaminated sites management, ask questions and learn a thing or two.

Provincial Ministry staff (Land Remediation Section) will be there, as well as other invited guests. In the afternoon, we will explore the theme of Climate Adaption and will feature presentations from local experts including: Trevor Murdock, climate scientist with Pacific Climate Impacts Consortium in Victoria, B.C.; Angela Danyluk, sustainability specialist with the City of Vancouver; Mo Mofrad, project engineer for the Port of Vancouver; and Sean Smith, asset management and GIS integration specialist also from the Port of Vancouver.

As in past years, we will wrap-up with a panel discussion centered around this theme, with representatives from the Province (Land Remediation Section), CSAP and our guest presenters. Questions will be taken from the audience.

We look forward to seeing you at the workshop.

For Agenda and to register, go to <https://csapsociety.bc.ca/events/>

Proposed Amendment/Addition to the B.C. Field Sampling Manual

October 15, 2018

The province has developed an additional 'Part' for the British Columbia Field Sampling Manual (the 'BCFSM') entitled "Part B1 – Ambient Air Monitoring".

Guidance and instruction on this aspect of environmental sampling has not been provided in the past although permit holders and stakeholders have been conducting this type of sampling and monitoring for some time. The draft documentation includes a new section for inclusion into the body of the BCFSM and Standard Operating Procedures that provide guidance and instruction specific to sampling and analyze specific methods.

Each of the documents included in this new section have been vetted, reviewed and edited by a diverse review team made up of Environmental Protection staff, members of Metro Vancouver 's Air Quality Monitoring group and, Environment and Climate Change Canada.

The comment period for the BCFSM draft materials opened on October 12, 2018 and **will close on November 22, 2018**. All stakeholders are invited to make comments on the drafted materials which are presented on the link below. Your input and that of all stakeholders in the province will be taken into consideration as we revise and evolve the B.C. Field Sampling Manual to serve the best interests of the public.

Thank you for your interest in the BCFSM update. All of the documentation proposed for inclusion can be found at the [B.C. Field Sampling Manual web page](#).

Please direct your comments and feedback to: Blair.Irwin@gov.bc.ca.

GeoEnviroPro Annual Update on Contaminated Sites Regime

October 15, 2018

A GeoEnviroPro Event - Annual Update on Contaminated Sites Regime in B.C.
November 1, 2018 @ 8:15 am - 4:30 pm
UBC Robson Square (800 Robson Street, Vancouver, BC)

Join us for this exciting and informative one-day seminar on new aspects of the British Columbia contaminated sites regime! In past years, this seminar has proven to be a popular forum for peer discussion of new policies, guidance and procedures; and for sharing possible approaches and solutions.

This seminar is valuable for contaminated site practitioners, regulators and site owners.

Presenters include:

- Provincial government staff (Land Remediation Section);
- Contaminated Sites Specialists;
- Approved Professionals; and
- Federal agency staff.

For the agenda and to register, go to <http://geoenviropro.com/trainings/annual-update-on-contaminated-sites-regime-in-british-columbia>

Regional Background Groundwater Concentration Estimates

September 25, 2018

The Ministry of Environment and Climate Change Strategy has established regional background groundwater concentrations for select inorganic substances (arsenic, lithium, selenium, vanadium and uranium) for three regions in British Columbia. The details are presented in **Technical Bulletin 3** – Regional Background Concentrations for Select Inorganic Substances in Groundwater. Available on the [Bulletin page](#).

The ministry will be reviewing Protocol 9 - Determining Background Groundwater Quality over the coming months to update the protocol and provide a consolidated suite of substances for which regional background concentrations will be available. Regional background concentrations contained in Technical Bulletin 3 will be incorporated into the updated version of Protocol 9.

Site ID Webinar Posted

September 25, 2018

The PowerPoint presentation and audio recording for the webinar hosted on July 26, 2018 is now available on the ministry's [Contaminated Sites Presentations web page](#). This webinar was to help stakeholders understand the revised proposed changes to the site identification process in the Environmental Management Act and Contaminated Sites Regulation.

Any questions regarding the webinar or the revised proposed changes can be directed to kelli.larsen@gov.bc.ca.

Canadian Brownie Awards Nominations Now Open

September 19, 2018

THE BROWNIE AWARDS ARE COMING UP AND NOMINATIONS CLOSE SOON! HAVE YOU NOMINATED YOUR PROJECT YET?

The Brownie Awards, presented annually by the Canadian Brownfields Network and Actual Media, honour excellence in brownfields redevelopment. They recognize the builders, innovators and visionaries who are dedicated to the rehabilitation of brownfield sites that were once contaminated, under-utilized and undeveloped into productive residential and commercial projects that contribute to the growth of healthy communities across Canada.

Awards are presented in seven categories:

- REPROGRAM – Legislation, Policy and Program Initiatives
- REMEDIATE – Sustainable Remediation and Technological Innovation
- REINVEST – Financing, Risk Management and Partnerships
- REBUILD – Redevelopment at the Local, Site Scale
- RENEW – Redevelopment at the Community Scale
- REACH OUT – Communication, Marketing and Public Engagement
- Brownfielder of the Year – recognizing individual achievement

There is no cost to nominate a project, program or person in any category, and we encourage you to help us recognize the best in our industry.

For more information or to make a nomination, please see <https://www.canadianbrownfieldsnetwork.ca/brownfield-awards/brownies>. Frequently Asked Questions are available at <https://www.canadianbrownfieldsnetwork.ca/brownfield-awards/brownies/brownies-faq>. Please contact our administrator with any questions: davidp@canadianbrownfieldsnetwork.ca.

Finalists will be announced Friday, November 2 and the Awards will be presented at the Brownies Gala, Wednesday, November 21, 2018 t the Delta Hotels by Marriott Toronto.

Nominations close Friday, October 5, so please don't delay – nominate today!

Annual SABCS Conference & Workshop on Contaminated Sites

September 5, 2018

Register now for the 8th annual SABCS Conference on September 27th and the Workshop on September 26th, 2018.

For registration please go

to: events.epl.com/8thAnnualSABCSConferenceandWorkshoponContaminatedSites2377605

Conference and workshop programs are available at www.sabcs.chem.uvic.ca

The conference program features practical presentations on analytical and sampling methods, remediation and site investigation. A regulatory session provides three presentations from the B.C. Ministry of Environment and Climate Change Strategy and an update on underground storage tanks from Environment and Climate Change Canada.

The Workshop theme Innovation in Data Acquisition, Analytics and Automation for Contaminated Sites and Mining Environmental Applications brings together nine leading researchers and practitioners from the USA and Canada who will explore the latest advances in application of data science. There will be both leading edge talks on emerging trends and practical tools and approaches currently in use and available to practitioners.

Reminder: Client Survey & CSR Stage 12 Webinar

September 4, 2018

Client Survey

Ministry of Environment and Climate Change Strategy is requesting your assistance to complete a survey regarding the suite of contaminated site services provided by the Land Remediation Section. The survey is part of an internal Ministry effort to examine and evaluate the ways in which contaminated sites services are provided in support of administering the Environmental Management Act and Contaminated Sites Regulation, and feedback will inform efforts to improve the client experience in obtaining these services.

The client survey can be accessed by going to <https://www.surveymonkey.com/r/CSSCS2018>.

The survey takes approximately 10 minutes to complete, requiring more or less time depending on how many contaminated sites services you use.

This e-mail is to remind recipients that the survey will close at end of day **on September 5th**. Thank you to those of you that have already completed the survey, taking the time will help us ensure our processes are working as effectively and efficiently as possible!

Questions regarding the survey can be forwarded to site@gov.bc.ca.

Webinar on Proposed Stage 12 Changes to the CSR

The Ministry of Environment and Climate Change Strategy is holding consultation on proposed amendments to the Contaminated Sites Regulation (CSR). The Stage 12 Amendment includes proposed changes to the name of a Wide Area Site (WAS), and errors introduced as a result of the Stage 11 Amendment. A summary document will be provided to those who register.

A webinar will be held on Thursday, September 6, 2018 from 10-10:45 am to provide an update on the proposed CSR changes. The webinar will include a presentation followed by ample time for questions. The audio and powerpoint will be made available on our [presentation webpage](#) following the webinar.

To register and receive a link to join the online meeting, please contact Sydney.Love@gov.bc.ca.

September 6 Webinar - CSR Stage 12 Amendments

August 23, 2018

The Ministry of Environment and Climate Change Strategy is holding consultation on proposed amendments to the Contaminated Sites Regulation (CSR). The Stage 12 Amendment includes proposed changes to the name of a Wide Area Site (WAS), and errors introduced as a result of the Stage 11 Amendment. A summary document will be provided to those who register.

A webinar will be held on Thursday, September 6, 2018 from 10-10:45 am to provide an update on the proposed CSR changes. The webinar will include a presentation and ample time for questions. The audio and powerpoint will be made available on our website following the webinar.

To register and receive a link to join the online meeting, please contact Sydney.love@gov.bc.ca.

Land Remediation Client Survey Reminder

August 23 2018

Ministry of Environment and Climate Change Strategy is requesting your assistance to complete a survey regarding the suite of contaminated site services provided by the Land Remediation Section. The survey is part of an internal Ministry effort to examine and evaluate the ways in which contaminated sites services are provided in support of administering the Environmental Management Act and Contaminated Sites Regulation, and feedback will inform efforts to improve the client experience in obtaining these services.

The client survey can be accessed by going to: <https://www.surveymonkey.com/r/CSSCS2018>.

The survey takes approximately 10 minutes to complete, allowing for more or less time depending on how many or few contaminated sites services you use.

This e-mail is to remind recipients that the survey is open for approximately 2 more weeks, and will close on **September 5, 2018**. Thank you to those of you that have already completed the survey. Thank you for taking the time to help us ensure our processes are working as effectively and efficiently as possible!

Questions regarding the survey can be forwarded to site@gov.bc.ca.

8th Annual SABCS Conference & Workshop on Contaminated Sites

August 8, 2018

Registration now open for the Science Advisory Board for Contaminated Sites in B.C. (SABCS) conference and workshop. For registration please go to: events.epl.com/8thAnnualSABCSConferenceandWorkshoponContaminatedSites2377605

Early Registration Closes August 24th

SABCS has secured the same downtown Vancouver venues and has been able to reduce the workshop fees and introduce a new young professional category. Once again, presentations on a flash drive, a delegates list, hot breakfast and buffet lunch are included.

The technical workshop theme is **Innovation in Data Acquisition, Analytics and Automation for Contaminated Sites and Mining Environmental Applications**. Data science is a rapidly evolving field that is changing our environmental and mining practices. New technologies in data acquisition and internet of things, data analytics including approaches for big data, automation, artificial intelligence and machine learning, and virtual reality are being rapidly developed. Innovations in these areas offer the potential for more efficient and sustainable practices. This workshop will explore the latest advances in these areas by bringing together leading researchers and practitioners involved in data science. There will be both leading edge talks on emerging trends and practical tools and approaches currently in use and available to practitioners.

For more information see www.sabcs.chem.uvic.ca.

Invitation to Participate Land Remediation Client Survey

July 20, 2018

The Province is requesting your assistance to complete a survey regarding the suite of contaminated site services provided by the Land Remediation Section. The survey is part of an

internal effort to examine and evaluate the ways in which contaminated sites services are provided in support of administering the Environmental Management Act and Contaminated Sites Regulation, and feedback will inform efforts to improve the client experience in obtaining these services.

The client survey can be accessed here: <https://www.surveymonkey.com/r/CSSCS2018>.

The survey takes approximately 10 minutes to complete, allowing for more or less time depending on how many or few contaminated sites services you use. The survey is open for approximately 6 weeks, and will close on September 5, 2018.

Thank you for taking the time to help us ensure our processes are working as effectively and efficiently as possible! Questions regarding the survey can be forwarded to site@gov.bc.ca.

Webinar - Proposed Changes to Site ID Provisions

July 18, 2018

Land Remediation staff have completed a review of the existing legal provisions relating to the identification of contaminated sites in the Environmental Management Act (EMA) and the Contaminated Sites Regulation (CSR). A discussion paper (2014) and intentions paper (2016) were previously posted on our [Request for Comments website](#) to allow the public an opportunity to provide comment on the proposed changes. The comments received along with discussions with local governments were considered in further refining the proposed changes to the identification of contaminated sites provisions. For example, changes to the triggers for submitting a site identification form will ensure contaminated sites are investigated and remediated in a timely manner and aim to protect the Crown from liability for contamination at these sites.

A webinar will be held on Thursday, July 26, 2018 from 10 - 11 am to provide an update on the refined proposed changes, as well as an overview of the legislative process moving forward with a Request for Legislation (RFL). The webinar will include a presentation and ample time for questions.

To register and receive a link to join the online meeting, please contact kelli.larsen@gov.bc.ca.

CSAP Workshop on Management of Petroleum Hydrocarbon Sites

June 14, 2018

You are invited to a workshop on toolkits for Management of Petroleum Hydrocarbon Sites, sponsored by CSAP and Golder Associates

June.19th at 8:15am – 4:30pm
Golder Associates

2920 Virtual Way, Vancouver

Detailed info and workshop abstract is available on this [event outline \(PDF\)](#)
[Registration required](#) *No Fees, Space is limited*

The workshop is open to all and is eligible for 7 professional development hours.

The workshop will combine theory and practical tools on range of topics that will be useful to practitioners in B.C.

For more information please contact Ian_Hers@golder.com.

Response to Stakeholder Comment - Stage 10/11 Amendments

June 7, 2018

The ministry has prepared response to stakeholder comment tables related to the documents updated for the Stage 10/11 amendments to the Contaminated Sites Regulation (CSR).

The response to stakeholder comment tables are available on [Site Remediation - Request for Comments page](#).

List of response to stakeholder documents:

- Administrative Guidance 5: Approved Professional Recommendations Relating for Non-High Risk Sites
- Protocol 2: Site-Specific Numerical Soil Standards
- Protocol 4: Establishing Background Concentrations in Soil
- Protocol 6: Eligibility of Applications for Review by Approved Professionals
- Protocol 11: Upper Cap Concentrations of Substances
- Protocol 13: Screening Level Risk Assessment
- Protocol 22: Application of Vapour Attenuation Factors to Characterize Vapour Contamination
- Protocol 27: Soil Leachate Tests for Use in Deriving Site- Specific Numerical Soil Standards
- Protocol 30: Classifying Substances as Carcinogenic
- Technical Guidance 4: Vapour Investigation and Remediation
- Technical Guidance 7: Supplemental Guidance for Risk Assessments
- Technical Guidance 24: Site-Specific Numerical Soil Standards Model Parameters

The ministry would like to take this opportunity to thank the many stakeholders who provided comment on the documents.

Any questions about the documents or the Stage 10 and 11 amendments should be directed to site@gov.bc.ca.

CSAP Membership Exam Application Deadline is June 10th

May 30, 2018

The Contaminated Sites Approved Professionals (CSAP) Society is now accepting applications for the 2018 membership examinations.

Deadline for exam applications is **June 10 2018**.

The current proposed exam dates are as follows:

- Numerical Standards test – November 6th
- Regulatory test – November 7th
- Risk-based Standards test - November 8th

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

- Examination [guides and fee information](#)
- [Experience review](#) information and application
- Details regarding the dates, time and location of the examination will be posted on the [CSAP Society website](#) at a future date.

If you have any questions or comments please contact Nelly Pomareda, Operations Coordinator of the Society, at npomareda@csapsociety.bc.ca.

Site Identification - Revised Documents Released for Comment

May 16, 2018

Land Remediation staff have completed a review of the existing legal provisions relating to the identification of contaminated sites in the Environmental Management Act (EMA) and the Contaminated Sites Regulation (CSR). A [discussion paper \(2014\) \(PDF\)](#) and [intentions paper \(2016\)\(PDF\)](#) were previously posted on our website to allow the public an opportunity to provide comment on the proposed changes. The comments received along with discussions with local governments were considered in further refining the proposed changes to the identification of contaminated sites provisions.

The 2016 intentions paper proposed, in general terms, changes to Schedule 1 and 2 of the CSR and the definition of decommissioning a site. As a result, the following three documents are now [open for comment](#) until June 29, 2018.

- Schedule 1 - proposed changes modernize the document and improve clarity for those completing and relying on the form. The question sections have been removed to improve the quality of information collected as these questions are often answered incorrectly due to lack of available information about historical site activities.
- Schedule 2 - updated to correct known errors and omissions, to improve clarity and to ensure the activities listed reflect industrial and commercial purposes or activities of concern in the province.
- Information Update regarding decommissioning a site - proposes that the CSR no longer define “decommission a site” but instead adopt the concept of “permanently ceasing an activity”. Proposed changes would ensure this provision applies to both privately owned and provincial Crown lands.

The proposed revisions in these three documents compliment the overall proposed changes to the identification of contaminated sites provisions of EMA and the CSR.

Comments should be directed to kelli.larsen@gov.bc.ca.

8th Annual SABCS Conference on Contaminated Sites - Call for Abstracts

April 30, 2018

A **call for abstracts** for submitted papers is now open, posted at <http://www.sabcs.chem.uvic.ca>. The closing date is May 31 to provide ample time for planning and approvals.

The SABCS 8th Annual Conference and Workshop on Contaminated Sites is being held on September 26 and 27, 2018. We have secured the same convenient venues in downtown Vancouver. Mark these dates and locations in your calendar.

September 27, 2018

SABCS 8th Annual Conference on Contaminated Sites

Segal Building, Room 1200 – 1500, 500 Granville Street, Vancouver, BC

September 26, 2018

SABCS 8th 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 zpirani@keystoneenvironmental.ca or 604-430-0671.

BEST 2018 Conference

April 11, 2018

The British Columbia Environment Industry Association's BEST Conference attracts environmental professionals every May for two days of technical sessions, networking opportunities, and a sponsor exhibition.

Register now! You don't want to miss out on the "BEST" opportunity to network and learn about the current environment industry in B.C. Visit the website at bceia.com/best/.

Full Conference Program Now Online!

Technical session streams have been finalized and presentations have been selected in the areas of:

- Contaminated Site Management
- Hazardous Waste
- Risk Assessment
- Water
- First Nations
- Legal
- Government Regulations
- Environmental Monitoring
- Innovative Waste Management
- Remediation Technologies
- Site Investigation

A complete schedule, along with abstracts and bios, can be found on the BEST website at: <http://bceia.com/best/>.

What past delegates said about BEST:

- Excellent speakers and BEST is exceptional for networking opportunities.
- The keynote speakers were fantastic, the location for the conference was absolutely stunning.
- The size of the conference was really perfect for networking and there were multiple opportunities to do so. A very enjoyable and productive conference.
- It was my first time attending, I will attend next year's conference.

Registration Rates

BCEIA MEMBERS - \$700

NON-MEMBERS - \$850

Conference registration includes a welcoming reception, technical sessions, keynote presentations, an off-site networking reception, and all meals and coffee breaks. Registration details at: <https://events.eply.com/BEST2018>

CSAP Membership Exam Information Now Posted

April 5, 2018

The Contaminated Sites Approved Professionals (CSAP) Society is now accepting applications for the 2018 membership examinations. Deadline for exam applications: June 10 2018.

The current proposed exam dates are as follows:

- Numerical Standards test – November 6th
- Regulatory test – November 7th
- Risk-based Standards test - November 8th

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](#)
- Details regarding the dates, time and location of the examination will be posted on the [CSAP Society website](#) at a future date.

If you have any questions or comments please contact Nelly Pomareda, Operations Coordinator of the Society, at npomareda@csapsociety.bc.ca.

GeoEnviroPro Event - Risk Solutions for Contaminated Sites

March 22, 2018

APRIL 26, 2018 – UBC Robson Square, VANCOUVER, BC

In B.C. we have been using risk-based solutions for contaminated sites for over 25 years – it is time to share our learnings and celebrate our accomplishments. Increasingly, risk assessment is being used to support redevelopment of contaminated lands and liability management. This Expo will feature case studies where risk assessment and risk management have been effectively used. The case studies will include simple to complex risk assessments for a range of different sites.

GeoEnviroPro is calling for submissions that showcase a wide range of B.C. sites where risk assessment has been used successfully to reach closure. Submissions will be selected for platform or poster presentations.

Come and learn about how risk assessment of contaminated sites has resulted in meeting regulatory requirements. Whether you are a site owner/manager, project manager, regulator, developer, lawyer, or a contaminated site practitioner – there will be content for you, as well as opportunities to mingle.

To Register and/or to make a submission, click here: <http://geoenviropro.com/events/risk-solutions>

Stage 11 Webinars Posted

February 8, 2018

The PowerPoint presentations and audio recordings for the webinars hosted in November and December 2017 are now available on the ministry's [Contaminated Sites Presentations website](#). These webinars were to help stakeholders understand the changes to the recently approved Stage 11 amendments to the Contaminated Sites Regulation.

The webinars covered the following topics:

- Webinar 1 - Stage 10 (Omnibus) and Stage 11 (Housekeeping) Amendments
- Webinar 2 - Provincial and Regional Background Concentrations in Soil and Summary of Risk Assessment Updates
- Webinar 3 - Updates to Provincial Vapour Standards and Policy
- Webinar 4 - OMRR amendments and Stage 11 CSRA process
- Webinar 5 - Protocol 27, Soil Leachate Tests for Use in Deriving Site-Specific Numerical Soil Standards. Protocol 2, Site-Specific Numerical Soil Standards
- Webinar 6 - Screening Level Risk assessment (SLRA) Update

The following 2 documents have been updated:

- [Technical Guidance](#) 24 – Site Specific Numerical Soil Standards Model Parameters
- [Protocol](#) 2 – Site Specific Numerical Soil Standards

The changes in these documents provide clarity to questions received from stakeholders:

- Site-specific soil standards (SSSs) can only be derived on sites where groundwater has been or will be investigated
- For pH sensitive substances, site-specific values for pH in soil are required when deriving SSSs for inorganics

- The vertical distance between the base of the source and the water table cannot exceed 10 m

GeoEnviroPro Webinar March 6 & 8, 2018

February 6, 2018

Dry Cleaners in the Neighbourhood – Investigation and Remediation (March 6 & 8)

Dry cleaners now rank among our most prevalent high-risk sites. How did this happen, and what can we do about it? Answers to these questions may appear obvious, but when we drill down we soon find that the science behind the problem is complex and the range of possible engineering solutions is daunting. In this two-part series you will learn about the history of dry cleaner operations, chemical use, common and not-so-common sources of contamination to the subsurface, relevant fate and transport processes, and the latest in effective remediation and risk management strategies.

This two-part webinar on dry cleaners will cover the following areas:

- The five generations of dry cleaning machines
- Historic and current solvent types and usage
- Common modes of chemical release to the subsurface
- Effective site characterization strategies and best practice
- Source zone depletion and elimination
- Remedial approaches such as ISCO, ISCR, SVE/AS, ZVI and others

Organized around 2 one-hour sessions:

- Session 1: March 6th (9-10 AM PST / 12-1 PM EST) and
- Session 2: March 8th (9-10 AM PST / 12-1 PM EST)

To register, go to <https://www.regonline.ca/registration/Checkin.aspx?EventID=2165530>