

2017 CS e-Link Archive

Additional Documents Approved - CSR Stage 10 and 11 Amendments

December 5, 2017

Contaminated Sites Additional Documents Approved in Support of Stage 10 (Omnibus) and Stage 11 (Housekeeping) Amendments to Contaminated Sites Regulation. The Director has approved an additional 7 documents related to the Stage 10 and Stage 11 amendments to the Contaminated Sites Regulation (CSR) and related consequential amendments to the Hazardous Waste Regulation (HWR) and Organic Matter Recycling Regulation (OMRR).

The additional 7 documents are available on the ministry's [Guidance and Resources website](#).

The ministry is finalizing additional documents and response to stakeholder comments. These will be posted in the coming days and weeks.

List of documents:

- Protocol 10: Hardness Dependent Site-Specific Freshwater Standards for Zinc
- Protocol 13: Screening Level Risk Assessment
- Protocol 28: 2016 Standards Derivation Methods, Chapter 4, Derivation of Soil to Groundwater Protection Matrix Soil quality Standards *NEW*
- Administrative Guidance 22: Application of Wildlands Land Use *NEW*
- Technical Guidance 3: Environmental Quality Standards*
- Technical Guidance 13: Groundwater Protection Model (Version 2017)
- Procedure 8: Definitions and Acronyms for Contaminated Sites

* Technical Guidance 13 contains the link to an updated version of the ministry's groundwater protection model (GPM) applied under Protocol 2 for deriving site-specific numerical soil standards.

The ministry would also 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.

Time change for Stage 11 amendment webinar 6

November 27, 2017

Please be advised of a time change for an upcoming Stage 11 amendment webinar.

Webinar 6: Screening Level Risk Assessment (SLRA) update, will now run on **Tuesday December 5, 2017, at 1:30 pm**.

If you have already registered for these events, you will receive an email from GoToWebinar with the update.

Release of Additional Documents in Support of Omnibus

2017 CS e-Link Archive

November 17, 2017

Contaminated Sites Additional Documents Approved in Support of Stage 10 (Omnibus) and Stage 11 (Housekeeping) Amendments to Contaminated Sites Regulation

An additional 10 documents related to the Stage 10 and Stage 11 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 10 documents are available through the ministry's [Guidance and Resources website](#). The ministry is finalizing additional documents and response to stakeholder comments. These will be posted in the coming days and weeks.

An updated version of the ministry's groundwater protection model (GPM) applied under Protocol 2 for deriving site-specific numerical soil standards is currently being finalized. The GPM will be released within the coming weeks along with supporting documents Technical Guidance 13 and Protocol 28, Chapter 4.

List of documents:

- [Protocol 2: Site Specific Numerical Soil Standards \(PDF\)](#)
- [Protocol 4: Establishing Background Concentrations in Soil \(PDF\)](#)
- [Protocol 6: Eligibility of Applications for Review by Approved Professionals \(PDF\)](#)
- [Protocol 11: Upper Cap Concentrations of Substances Listed in the Contaminated Sites Regulation \(PDF\)](#)
- [Protocol 22: Application of Vapour Attenuation Factors to Characterize Vapour Contamination \(PDF\)](#) *NEW*
- [Protocol 27: Soil Leachate Tests for Use in Deriving Site-Specific Numerical Soil Standards \(PDF\)](#) *NEW*
- [Administrative Guidance 5: Approved Professional Recommendations for Non-High Risk Sites \(PDF\)](#)
- [Technical Guidance 4: Vapour Investigation and Remediation \(PDF\)](#)
- [Technical Guidance 9: Chlorophenol Aquatic Life Water Standards \(PDF\)](#)
- [Technical Guidance 24: Site Specific Numerical Soil Standards Model Parameters \(PDF\)](#) *NEW*

The ministry would also 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.

BEST 2018 Conference

November 14, 2017

Join us for the fifth annual Bettering Environmental Stewardship & Technology (BEST) Conference, taking place May 9 – 11, 2018 at the beautiful Fairmont Chateau Whistler in Whistler, B.C.

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

2017 CS e-Link Archive

exhibition. Conference registration includes a welcoming reception, technical sessions, keynote presentations, an off-site networking reception, and all meals and coffee breaks.

EARLY BIRD REGISTRATION

For information or to register, visit: bceia.com/best/

BCEIA MEMBERS \$600
NON-MEMBERS \$750

[Call for abstracts on now!](#)

Presenters receive 50% off the conference registration price!

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)
- Mining
- Oil & Gas
- Construction and Municipal Infrastructure
- Emergency Spill Response
- Contaminated Sites Innovative Technologies/Practices, Case Studies, Lessons-Learned
- Hazardous Waste
- Environmental Assessment & Permitting
- Environmental Law & Case Studies
- Environmental Policy Initiatives
- First Nations Consultation & Partnerships
- Large Projects - Mines, Dams, Road Infrastructure, Terminals, Industrial Properties
- Sustainable Business Practice Case Studies
- Upcoming Major Project Updates and Successes in Western Canada
- Urban Planning / Design / Environmental Sustainability

For more information, visit the website at: bceia.com/best/ or email abstracts@bceia.com.

Land Remediation Webinar Series - Omnibus Changes

November 9, 2017

Webinar Schedule for the Stage 11 Amendments to the Contaminated Sites Regulation

To help stakeholders understand the changes and implications of the recently implemented Stage 11 amendments to the Contaminated Sites Regulation (CSR), a series of 6 webinars (up to 2 hours in length) is being delivered by the Ministry of Environment and Climate Change Strategy. Webinars will include a presentation and ample time for questions. Please use the links provided to register for sessions.

2017 CS e-Link Archive

Title	Date	Time
Webinar 1: Overview of Stage 11 housekeeping amendment and errata, documents and next steps.	Tuesday November 21, 2017	10 am
Webinar 2: Summary of risk assessment updates. Background concentrations in soil update.	Tuesday November 21, 2017	1 pm
Webinar 3: Updates to provincial vapour standards and policy.	Thursday November 23, 2017	10:30 am
Webinar 4: Updated Contaminated Soil Relocation Agreement (CSRA) process and the Organic Matter Recycling Regulations (OMRR) Order In Council.	Tuesday November 28, 2017	10 am
Webinar 5: Protocol 2, site specific numerical soil standards model, and Protocol 27, leachate protocol.	Tuesday November 28, 2017	1:30 pm
Webinar 6: Screening Level Risk Assessment (SLRA) update.	Friday December 1, 2017	10 am

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@gov.bc.ca or 604-582-5256.

Cobalt Interim Background Groundwater Estimate

November 7, 2017

The ministry is hereby extending the cobalt interim background groundwater concentration estimate of 20 µg/L. The value of 20 µg/L was originally established on October 4, 2002. This measure is in response to a change in the drinking water standard for cobalt, approved under the Stage 11 amendment to the Contaminated Sites Regulation. The interim background groundwater concentration estimate for cobalt is

2017 CS e-Link Archive

expected to remain in effect while the ministry concludes the development of background groundwater estimates for selected metals on a region by region basis for the Province. If this work is successful, regional Background Groundwater Estimates will subsequently be incorporated into a revised [Protocol 9 Determining Groundwater Background Quality](#).

Responsible persons may use the interim background groundwater concentration estimate for cobalt of 20 µg/L when assessing the presence of contamination at sites in the Province. Applications for a Director's decision under Protocol 9 are not required for use of this background estimate. Rather, a statement in the site investigation report that cobalt concentrations in groundwater do not exceed the referenced cobalt interim background groundwater concentration estimate will suffice for satisfying CSR 11 (3) that the site is not a contaminated site for cobalt in groundwater.

The 2002 CS e-link relating to this background concentration can be found at: [CS Archive 2000-2005 \(PDF\)](#).

Any questions about the cobalt interim background groundwater estimate should be directed to site@gov.bc.ca.

Contaminated Sites Documents Approved - Amendments to CSR

November 2, 2017

Contaminated Sites Documents Approved in Support of Stage 10 (Omnibus) and Stage 11 (Housekeeping) Amendments to Contaminated Sites Regulation

The Director has approved 12 documents related to the Stage 10 and Stage 11 amendments to the Contaminated Sites Regulation (CSR) and related consequential amendments to the Hazardous Waste Regulation (HWR) and Organic Matter Recycling Regulation (OMRR).

The 12 documents are available on the ministry's Guidance and Resources website.

The ministry is finalizing additional documents and response to stakeholder comments. These will be posted in the coming days and weeks.

List of documents:

1. Protocol 16: Determining the Presence and Mobility of Nonaqueous Phase Liquids and Odorous Substances
2. Protocol 17: Requirements for Notifications of Independent Remediation and Offsite Migration
3. Protocol 21: Water Use Determinations
4. Protocol 30: Classifying Substances as Carcinogenic *NEW*
 - o [Protocol Website](#)
5. Technical Guidance 7: Supplemental Guidance for Risk Assessment
6. Technical Guidance 8: Groundwater Investigation and Characterization
7. Technical Guidance 15: Concentration Limits for the Protection of Aquatic Receiving Environments
8. Technical Guidance 16: Soild Sampling Guide for Local Background Reference Sites
9. Technical Guidance 17: Background Soil Quality Database
 - o [Technical Guidance website](#)
10. Administrative Guidance 6: Site Profile Decisions and Requesting Releases Where Local Government Approvals are Required

2017 CS e-Link Archive

- [Administrative Guidance website](#)
- 11. Procedure 9: Procedures for processing site profiles
 - [Procedures website](#)
- 12. Fact Sheet 13: Environmental Quality Guidelines
 - [Fact Sheet website](#)

Technical Guidance 18 has been repealed as a result of changes in the Stage 10 and 11 amendments.

The ministry would also 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.

Stage 11 (Housekeeping) Amendments to CSR Approved

November 1, 2017

The Stage 11 (Housekeeping) amendments to 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 the October 31, 2017 Update entitled [Stage 10 \(Omnibus\) and Stage 11 \(Housekeeping\) Amendments to the Contaminated Sites Regulation \(PDF\)](#).

These changes came into legal force on November 1, 2017.

The Stage 10 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. During the year of transition, a series of [Erratum \(PDF\)](#) were released that listed the known errors in the Stage 10 amendments which have been corrected under the Stage 11 amendments.

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

- Overview of the changes and administrative items
- 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 CS e-Link by mid-November 2017.

2017 CS e-Link Archive

Any questions related to the Stage 10 (Omnibus) or Stage 11 (Housekeeping) Amendments should be directed to site@gov.bc.ca.

29 New Analytical Methods Approved

October 31, 2017

The Director has approved the 29 new analytical methods listed below. The majority of these new methods were developed in support of the Stage 10 (Omnibus) amendment to the Contaminated Sites Regulation.

Details of the 29 new analytical methods are available on the ministry's Environmental Protection and Sustainability, Research, Monitoring & Reporting, [BC Environmental Laboratory Manual website](#).

The new methods were developed with the assistance of the British Columbia Environmental Laboratory Technical Advisory Committee (BCELTAC) over the course of the last 16 months. The ministry would like to take this opportunity to thank the committee for their outstanding expertise and effort in achieving this work.

Further information on BCELTAC is available on the ministry's Environmental Protection and Sustainability, Research, Monitoring & Reporting, [Sampling Methods and Quality Assurance website](#).

Please direct comment on the new methods to: Joyce Austin, Senior Provincial Laboratory Specialist, Knowledge Management Branch at Joyce.Austin@gov.bc.ca.

Technical questions regarding the new methods should be directed to: Mark Hugdahl (BCELTAC Chair) at Mark.Hugdahl@alsglobal.com.

List of new methods

1. Alcohols in Soil and Water – PBM
2. Asbestos in Soil – PBM
3. Asbestos in Water by Transmission Electron Microscopy (TEM) – Prescriptive
4. Cyanide Analysis (Total, WAD, Free) – PBM
5. Cyanide by Manual Distillation – PBM
6. Chlorinated and Non-Chlorinated Phenols in Soil - PBM
7. Digestion for Total Metals in Water - Prescriptive
8. Diisopropanolamine (DIPA) in Water and Soil Samples by HPLC – PBM
9. Extractable Petroleum Hydrocarbons (EPH) in Solids by GC/FID – PBM
10. Extractable Petroleum Hydrocarbons (EPH) in Water by GC/FID – PBM
11. Glycols in Soil and Water - PBM
12. Liquid-Solid Partitioning (Leachability) of VOCs – Prescriptive
13. Liquid-Solid Partitioning (Leachability) as a Function of pH (Metals, Inorganics, and SVOCs) – Prescriptive
14. Methylmercury in Soil or Sediment – PBM
15. Methylmercury in Water – PBM
16. Nonylphenols and Ethoxylates in Soil by LC/MS/MS – PBM
17. Nonylphenols and Ethoxylates in Water by LC/MS/MS – PBM
18. PAH Soil by Gas Chromatography Mass Spectrometry (GC/MS) – PBM
19. PAH Water by Gas Chromatography Mass Spectrometry (GC/MS) – PBM
20. Perfluoroalkyl Substances (PFAS) in Soils by LCMS/MS - PBM

2017 CS e-Link Archive

21. Perfluoroalkyl Substances (PFAS) in Water by LCMS/MS - PBM
22. Phenols Chlorinated & Non-Chlorinated Water – PBM
23. Strong Acid Leachable Metals (SALM) in Soil - Prescriptive
24. Sulfolane in Water and Soil Samples – PBM
25. Trace Metals Analysis by ICP-MS – PBM
26. Volatile Hydrocarbons (VH) in Waters by GC/FID - PBM
27. Volatile Organic Compounds in Soil – PBM
28. Volatile Organic Compounds Water – PBM
29. 17 α -Ethinylestradiol (EE2) in Water by LC/MS/MS – PBM

Errata v5 posted for CSR Stage 10 (Omnibus) Amendment

October 24, 2017

An updated [Errata \(version 5\) \(PDF\)](#) to the Stage 10 (Omnibus) Amendment to the Contaminated Sites Regulation has been released. The purpose of the Errata is to compile all known errors in the Stage 10 Amendment with the intention to correct these errors in the final Stage 11 (Housekeeping) amendment to be made to the Regulation immediately prior to the new standards coming into force on November 1, 2017.

This final version of the Errata represents the consolidation of all known errors and corrections to the Stage 10 amendment. The Errata has been updated and reissued throughout the year of transition as new errors were identified. If any further errors are identified, they will be noted for inclusion in future regulatory amendments.

The ministry would also like to take this opportunity to thank the many stakeholders who identified and submitted errors for inclusion in the Errata.

Any questions about the Errata or the Stage 10 (Omnibus) Amendment should be directed to site@gov.bc.ca.

A Note from the Ministry - Mike Macfarlane

October 24, 2017

It is with great sorrow that the Land Remediation Section, Environmental Emergencies and Land Remediation Branch, Ministry of Environment and Climate Change Strategy must inform you of the passing of Michael W. Macfarlane, Director, Land Remediation on September 14, 2017. Having graduated from Simon Fraser University in 1986 with a B.Sc. with a major in environmental toxicology, Mike began his career with the ministry in February 1987 as a regulatory toxicologist specializing in human health and ecological risk assessment. Mike's outstanding scientific and management abilities were quickly revealed in his work on the Pacific Place remediation project. Mike was one of the key architects of the Contaminated Sites Regulation and his long and distinguished career focused on both continual improvement of the Contaminated Sites Regulation and the promotion of innovative assessment, remediation and management of contaminated sites within the Province. Mike's achievements are too numerous and too well known to detail here. Suffice to say that Michael Macfarlane was a unique and dedicated champion of the contaminated sites community. We are all truly diminished by his loss.

GeoEnviroPro webinar series starting in April 2017

2017 CS e-Link Archive

March 27, 2017

GeoEnviroPro will be hosting a webinar series starting in April 2017- Fundamentals in Site Characterization, taught by contaminated site experts. This series brings you and your team onto the same page for planning and implementing effective site characterization strategies. Webinars cover both the classic methods and innovative approaches to characterize soil, groundwater and soil vapour quality. Learn how to demonstrate delineation using all data that is supported by your conceptual site model – and then go on to plan effective remediation strategies.

This is a 4 part webinar series is made up of:

- [Part 1 – Fundamentals Site Characterization](#) (Apr 11 & 13; Apr 18 & 20; Apr 25 & 27)
- [Part 2 – Fundamentals in Risk Assessment](#) (May 2 & 4; May 9 & 11)
- [Part 3 – Use of Practical Statistics in Site Investigations and Risk Assessments](#) (May 16 & 18)
- [Part 4 – Fundamentals in Remediation](#) (May 23, 25, 30; Jun 1 & 6)

Join us for some or all of these webinars. For more information and to register, go to <http://geoenviropro.com/our-training-program/>

New Draft Analytical Methods Posted for Review

March 27, 2017

New draft analytical methods listed below, developed with the assistance of the British Columbia Environmental Laboratory Technical Advisory Committee (BCELTAC), have now been posted for review and comment to the ministry's Sampling, Methods & Quality Assurance webpage, BC Environmental Laboratory Manual, "[Methods Posted for Review](#)".

1. "Alcohols in Soil and Water - PBM"
2. "Alkylphenol and Ethoxylates in Soils and Sediments by LC-MS/MS"
3. "Alkylphenol and Ethoxylates in Water by LC-MS/MS"
4. "Analysis of Cyanide (Total, Weak Acid Dissociable, and Free) – PBM"
5. "Asbestos in Soil – PBM"
6. "Chlorinated and Non-Chlorinated Phenols in Soils – PBM"
7. "Chlorinated and Non-Chlorinated Phenols in Water – PBM"
8. "Cyanide, Total or Weak Acid Dissociable, by Manual Distillation – PBM"
9. "Digestion for Total Metals in Water – Prescriptive"
10. "Diisopropanolamine (DIPA) in Water and Soil Samples by HPLC – PBM"
11. "17a-Ethinylestradiol in Water by LC-MS/MS – PBM"
12. "Extractable Petroleum Hydrocarbons (EPH) in Water by GC/FID"
13. "Glycols in Soil and Water – PBM"
14. "Liquid-Solid Partitioning as a Function of Leachate pH – Prescriptive"
15. "Methylmercury in Soils/Sediments – PBM"
16. "Methylmercury in Waters – PBM"
17. "Polycyclic Aromatic Hydrocarbons in Solids by GC/MS – PBM"
18. "Polycyclic Aromatic Hydrocarbons in Water by GC/MS – PBM"
19. "Strong Acid Leachable Metals (SALM) in Soil – Prescriptive"
20. "Sulfolane in Water and Soil Samples by GC/MS – PBM"
21. "Trace Metals Analysis by ICP-MS – PBM"

2017 CS e-Link Archive

22. "Volatile Hydrocarbons (VH) in Waters by GC/FID"
23. "Volatile Organic Compounds in Solids - PBM"
24. "Volatile Organic Compounds in Water – PBM"

The majority of these new draft methods have been developed in support of the Stage 10 (Omnibus) amendment to the Contaminated Sites Regulation.

Please provide comment on the new methods by April 28, 2017 to: Joyce Austin, Senior Provincial Laboratory Specialist, Knowledge Management Branch at 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.

Contaminated Sites Guidance Documents Released for Comment

March 21, 2017

As a result of Stage 10 (Omnibus) amendments to the Contaminated Sites Regulation, guidance documents are being updated. Four documents are [open for comment](#) until April 28, 2017. Comments should be sent to site@gov.bc.ca.

GeoEnviroPro Event - Risk Solutions for Contaminated Sites

March 8, 2017

Risk Solutions for Contaminated Sites - An Exposition of Case Studies - May 31 - Vancouver, BC

Hosted by GeoEnviroPro: In B.C. we have been using risk-based solutions for contaminated sites for over 25 years – it is time to profile and share our learnings. This Expo will feature case studies where risk assessment and risk management (RA/RM) have been effectively used. Go to <http://geoenviropro.com/events/risk-solutions/> for submissions (platform and poster) for low risk sites (Protocol 6 reviews) and high risk sites (to secure instruments, under Orders, for due diligence/liability reduction, etc.). Get the word out about your novel solutions and technical advancements in RA/RM. Come and learn about how RA/RM of contamination results in meeting regulatory requirements. Whether you are a site owner, project manager, regulator or service provider – there will be content for you, as well as opportunities to mingle.

This is a 2017 risk assessment workshop you won't want to miss!

Click here for more information and to register:

<http://geoenviropro.com/events/risk-solutions/>

CSR Omnibus Amendment Errata Version 2 Posted

March 6, 2016

An [updated Errata \(version 2\)](#) to the Stage 10 (Omnibus) Amendment to the Contaminated Sites Regulation has been released. The purpose of the Errata is to compile all currently known errors in the Stage 10

2017 CS e-Link Archive

Amendment with the intention to correct all errors in a final 'house-keeping' amendment to be made to the Regulation immediately prior to the new standards coming into force on November 1, 2017.

The Errata will be updated and reissued throughout the year of transition as new errors are identified. The next update is anticipated in May 2017.

Any questions about the Errata or the Stage 10 Omnibus Amendment should be directed to site@gov.bc.ca.

CSAP Membership Applications now being Accepted

March 2, 2017

The Contaminated Sites Approved Professionals (CSAP) Society is now accepting applications for the 2017 membership examinations.

Deadline for exam applications: June 11 2017.

Numerical Standards test – November 14th
Regulatory test – November 15th
Risk-based Standards test - November 16th

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.

Administrative Bulletin #3 Re-issued

February 15, 2017

Re-issued Administrative Bulletin 3 - Application Submission: CSR Omnibus Amendment Transition

[Administrative Bulletin 3 \(PDF\)](#) prescribes the administrative process for legal instrument applications being submitted during the regulatory transition period ending October 31, 2017, when the new numerical standards under the Stage 10 Amendment to the Contaminated Sites Regulation (CSR) will come into force.

This Bulletin has been amended and re-posted to provide the following clarification: the advice in the document applies to both numerical and risk-based CSR instruments submitted during the transition year up to October 31, 2017. The previous version incorrectly stated that the advice in the Bulletin applied only to numerical instruments.

Any questions about this CS e-Link should be directed to site@gov.bc.ca.

2017 CS e-Link Archive

Final 2 Webinars for the CSR Stage 10 Amendments Available

February 14, 2017

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 7 through 8 aimed at helping stakeholders understand the changes to the recently approved Omnibus amendments to the CSR. These webinars cover the following topics:

- Webinar 7 – Changes to the water standards
- Webinar 8 – Effects of the CSR amendments on soil relocation

You can find the complete set of 8 webinars that explain the CSR Omnibus amendments on the following Ministry webpage: <http://www2.gov.bc.ca/gov/content/environment/air-land-water/site-remediation/guidance-resources/presentations>

GeoEnviroPro Webinar Series - Fundamentals in Site Characterization

February 9, 2017

GeoEnviroPro will be hosting a webinar series in April 2017- Fundamentals in Site Characterization. This series brings you and your team onto the same page for planning and implementing effective site characterization strategies. Webinars cover both the classic methods and innovative approaches to characterize soil, groundwater and soil vapour quality. Learn how to demonstrate delineation using all data that is supported by your conceptual site model – and then go on to plan effective remediation strategies.

This webinar series starts off with **Soil Characterization** on April 11th & 13th.

The other topics are **Soil Vapour Characterization** (April 18th & 20th) and **Groundwater Characterization** (April 25th & 27th).

You can sign up for individual topic or for entire series.

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

GeoEnviroPro Workshop Date Change - January 26 and 27, 2017

January 17, 2017

Please note the date change for the following workshop.

GeoEnviroPro will be holding a workshop “**Beyond Data: Better Investigations-Better Results**” on Jan 26 & 27 in Vancouver, BC.

This 2-day workshop takes investigation and interpretation of site contamination to a new level, giving you an in-depth understanding of what really matters – the Conceptual Site Model (CSM). This workshop helps you get beyond the data and into the world of the conceptual site model. Learn to develop a CSM from the get-

2017 CS e-Link Archive

go. Use your CSM to develop focused investigations with meaningful conclusions. Gather the information needed for successful remediation. This highly interactive workshop uses many real world examples and the latest concepts in adult learning to put you into the critical learning zone, gaining competency in the assessment and interpretation of environmental data, and in the communication of your findings.

For registration and detailed agenda, visit GeoEnviroPro.com

GeoEnviroPro Workshop - January 25 and 26, 2017

January 16, 2017

GeoEnviroPro will be holding a workshop “**Beyond Data: Better Investigations-Better Results**” on Jan 25 & 26 in Vancouver, BC.

This 2-day workshop takes investigation and interpretation of site contamination to a new level, giving you an in-depth understanding of what really matters – the Conceptual Site Model (CSM). This workshop helps you get beyond the data and into the world of the conceptual site model. Learn to develop a CSM from the get-go. Use your CSM to develop focused investigations with meaningful conclusions. Gather the information needed for successful remediation. This highly interactive workshop uses many real world examples and the latest concepts in adult learning to put you into the critical learning zone, gaining competency in the assessment and interpretation of environmental data, and in the communication of your findings.

For registration and detailed agenda, visit GeoEnviroPro.com

Free GeoEnviroPro webinar - Conceptual Site Models

January 9, 2017

GeoEnviroPro is hosting a free webinar- **Use of Conceptual Site Models For Contaminated Sites** on Jan 24th – to kick start the 2017 Contaminated Sites Fundamentals webinar series.

Conceptual Site Model (CSM) is a tool that allows you to plan and execute effective site investigations, risk assessments and site remediation.

At this free session, you will hear how the CSM is implemented at the various stages of the site investigation and remediation process.

For more info & registration, visit <http://geoenviropro.com/our-training-program/>