

CSAP Members Fall Update 2016

MINISTRY UPDATES:

Omnibus related documents being prepared once the MO is deposited.

- In anticipation of the consequential amendments to the Contaminated Sites Regulation Ministry staff have prepared a package of supporting material that would be released when amendments are deposited.
- These material include:
 - “Update on Contaminated Sites – Stage 10 Amendments to the CSR” (provides a high level overview of what is included in this CSR amendment and the HWR and OMRR consequential amendments).
 - “Administrative Bulletin – Errata for the Stage 10 (Omnibus) Amendment to the CSR” (this is a list of currently known errors in the CSR Amendment Schedules that will be fixed prior to bringing the regulation into force – the plan is that this document will be updated throughout the transition year as other typos, etc are found).
 - “Administrative Bulletin – Application Submission: CSR Omnibus Amendment Transition” (describes how applications for legal instruments will be processed in the transition year).

The plan is to post these to the Ministry’s website and send a CSeLink and email to stakeholders with links to the documents.

- The Ministry is also working on a schedule of webinars that we will be holding from mid-November to early December. That schedule will also be sent via CSeLink and email.

Protocol 2 Renewal

- The ministry has committed to work with CSAP to review the current version of the ministry’s groundwater model and identify relevant parameters that practitioners can modify in the groundwater model when developing site-specific soil standards under Protocol 2. The anticipated output will be a draft Technical Report that a) summarizes the methods and/or guidance for developing parameters and ranges for parameters that can be input into the groundwater model, b) defines the required model documentation, including examples, that will allow Approved Professionals to adequately review and approve site-specific soil standards developed under a revised Protocol 2, and c) provides relevant examples of real or hypothetical sites in which site-specific soil standards are derived using the modified input parameters to the model. The Technical Report will be used by the ministry to update Protocol 2 and prepare a Technical Guidance document.

Leachate test review

- The ministry has committed to work with CSAP to identify, review and recommend the selection of scientifically appropriate and cost effective leachate test methods for both inorganic and organic contaminants to prescribe in the protocol with the selected methods to be included in the BC Environmental Laboratory Manual. The work will include provide for the development of the framework for how leachate test methods may be utilized under Protocol 2 and seek to establish the minimum requirements for site – specific investigation for leachate characterization of contaminated soil. The final product will include the preparation of a draft protocol to document the approved leachate testing framework for use at contaminated sites and the minimum requirements for leachate characterization of contaminated soil

Glyn’s Premier’s award

- Dr. Glyn Fox received the Premier’s Legacy Award on October 18, 2016 and has been inducted into the BC Public Service Hall of Excellence. The BC Public Service Hall of Excellence was established to recognize those individuals who have made exceptional and lasting contributions to the province of British Columbia and is the highest form of recognition that the BC Public Service can extend to its employees. Dr. Fox has provided expert toxicological and risk assessment advice and expertise to the ministry for over 27 years

and has led both the former Science and Standards Section of the Environmental Management Branch, and the Science and Standards Unit of the Land Remediation Section for more than 20 years.

[View Glyn Fox Legacy video](#)

Update on HWR/CSR Decoupling

- LRS continues to field questions about the implementation of the CSR/HWR decoupling. Under the amended regime, it is acceptable to treat soil qualifying as “on site media” on the contaminated site of origin and to dispose of it at an off-site landfill permitted to receive the treated soil. Should there be any discharge to the environment in the management of the soil prior to its acceptance at the landfill, you will require a separate authorization under the *Environmental Management Act* (EMA) Please also note the requirements of Protocol 3 – Blending, Mixing or Dilution as a Remediation Approach.
- LRS is working on the development of additional protocols to more fully support the decoupling provisions and, in the meantime, we appreciate consultants submitting details about their proposed soil treatment/stabilization process to ensure that the remediation strategy is in compliance with the regulations.

CSAP COMMITTEE UPDATES:

Performance Assessment Committee

Detailed Screening

The Detailed Administrative Screening (DAS) continues to be an important step in ensuring that the documentation supplied with AP Submissions is complete and accurate. In order to meet our time commitments to the AP's, the pool of DAS's has been expanded by 3 AP's all who have undertaken training to assist them in their new role. In order to continue with improvements to the system, all AP's will now be asked to complete a survey once their Submission has been screened to identify any issues which arose from the DAS or Preliminary Administrative Screening (PAS) process. Please identify as specifically as possible the issue you encountered and, if possible, a suggested amendment which would benefit the system.

A recent Webinar, and discussed separately in the newsletter, was conducted to update AP's on Screening feedback from MOE and is available to review by all AP's.

As part of continued efforts to improve the Performance Assessment (PA) process, the committee is seeking CSAP Members opinions on the performance assessment process in general, as well as examples of 'grey' areas where clarification of Ministry expectations or requirements is needed. For example, wording of risk controls related to controlling future vegetation in Schedule B of legal instruments varies widely. Would it be helpful to request the Ministry to provide consistent Schedule B statements for use in instruments?

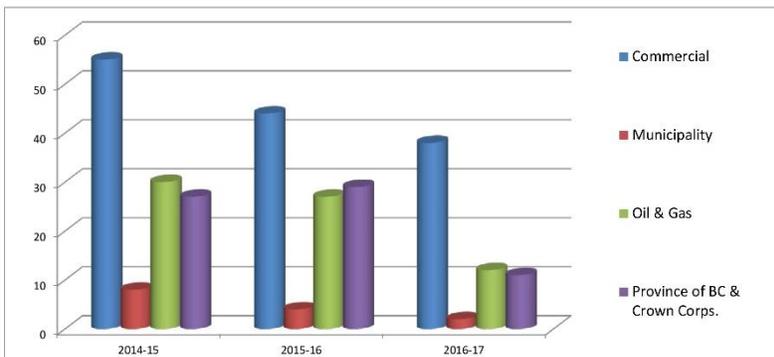
The PAC has posted over 150 Lessons Learned from Performance Assessments to date. We are seeking feedback on the format of the PA Lessons Learned as provided on the CSAP website.

The PAC provides the following comments based on recent experiences reviewing submissions as part of the performance assessment process:

- The lateral and vertical extent of residual impacts being considered in a risk assessment need to be clearly identified to allow PA Panel Members to confirm delineation and, where stated as a risk control, the presence of a thickness of clean fill or a hard surface. The use of perpendicular cross sections is highly recommended. In addition,

- If using the vapour attenuation factor for high density residential land use (for example an underground parking garage currently constructed with an operational HVAC system), the site risk type is a Type 2 and a PVP is required.
- Where report authors rely on findings of reports prepared by others it should be clearly stated whether Ministry requirements for investigation and remediation are met; specifically with respect to identification of APECs and PCOCs, including status of a facility prior to decommissioning. The reliance statement should also confirm that all supporting data has been reviewed for reliability and completeness.

CSAP Submissions by Sector: Summary up to September 23, 2016.



- # 1 - Commercial
- # 2 - Oil & Gas
- # 3 - BC & Crown Corps
- # 4 - Municipality

Technical Review Committee

1) CSAP's Technical Review Committee is soliciting R&D ideas! CSAP sets aside funds for R&D projects that will benefit CSAP practice. Through requests from CSAP committees, MOE, and the Board of Directors – potential R&D projects are identified to the Technical Review Committee. In addition, CSAP solicits ideas from the membership.

We are now calling for R&D ideas for the 2017/2018 fiscal year. By November 15 2016, submit the following information for your idea to be considered:

- Brief problem statement
- Objective of R&D project
- High-level list of tasks to deliver the project
- Indicate if you are interested in leading the project or not (or how you think the work should be led and scoped)

The Technical Review Committee will be reviewing these proposed ideas alongside other requests for funding. If your idea is selected, you will be approached to prepare a more detailed proposal (or a call for proposals will be made). R&D ideas should be submitted by November 15 2016 to Janet at CSAP at communications@csapsociety.bc.ca.

2) MoE and CSAP are jointly funding a working group with participation from members of CSAP, SAB and BC ELTAC as well as MoE staff to develop a leachate test protocol. The objective of the protocol is to identify leachate test methods that may be utilized under Protocol 2 (Site-specific Numerical Soil Standards) in lieu of application of the groundwater model used for calculation of the soil-water pathway soil standards in the current CSR Schedule 5 (Matrix Numerical Soil Standards). Leachate test methods may also be utilized under Protocol 12 (Site Risk Classification, Reclassification and Reporting); Protocol 13 (Screening Level Risk Assessment) and for soil relocation. Beginning work in September 2016, the working group is aiming to submit a draft protocol document to MoE in January 2017 for review and consultation.

Membership Committee (Chair, Scott Steer)

To improve the quality and efficiency of the exam process this year we have switched to a new local psychometric expert and exam software provider. Our new psychometric consultant, Dallie Sandilands, participated in our exam development workshops and helped in the process of setting the cut-off scores for our exams. Our new software provider, On-Track Corporate Training Ltd., has developed exam software customized to our needs. The exams in November will be conducted in the On-Track computer lab which will minimize the possibility of any disruption.

Salute to retiring member Ken Evans, P. Eng.

Ken has been a Numerical AP since May 27, 2005 and will be retiring in December 2016.

He was very active with committee work:

Professional Development Sub-Committee (past Chair) – member Mar 2008 to Jun 2012.

Discipline Committee - Member Feb 2013 to Dec 2016.

Ken was also an active PA Panel member 2009-14.

Ken’s experience and kind manner will be missed.

Professional Development Committee

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, and pre-approvals. 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 and draft Agenda available now.](#)

1) Most Recent Webinar:

CSAP would like to thank those who attended our Webinar on Oct 6th 2016 on Detailed Screening Updates and completion of the SoSC where DW does not apply. Tara Kennedy undertook a review of recent Detailed Screening feedback comments which AP’s should find helpful in completing their submissions. Duncan Macdonald and Paul Webb then undertook a review of the MOE requirements on information required in the SoSC when a declaration that DW does not apply has been indicated. This webinar, along with the Annotated SoSC should be reviewed if you are unsure of what information is required to be in the SoSC when DW is deemed not to apply. Amy Sloma and Annette Mortenson of MOE kindly participated to take questions from AP’s regarding the DW exemption. The webinar was moderated by Bob Symington who encourages you to watch out for the upcoming webinars in the 2016/2017 series.

2) Upcoming CSAP PD Webinars

CSAP is looking for volunteers who may have expertise in these areas and who are willing to volunteer 8 hours of time to prepare and present these webinars. Please contact CSAP, Andrew Sorensen (PD Committee Chair) or Bob Symington (Webinar Coordinator).

Date	Topic
November 10 th , 2016	Groundwater - Determination of DW applicability, Groundwater models – SLRA and Bioscreen, Modelling of contaminant plumes (BTEX). George Szefer and Remi Odense will participate in the QA section.
February TBA, 2017	Risk Conditions and PVPs, Risk Based CoCs, AG11 Communications

April TBA, 2017	Vapour Assessments and TG4

CSAP NEWS:

Message from the President

How quickly Fall turns into Winter and we are faced with having to complete field work either before the snow flies or completing the work in the cold and the snow. I guess this isn't quite an issue in the lower mainland and on the island but I have done field work in 3 degrees while the rain thumped down and it wasn't exactly enjoyable. As a lovely distraction to the aforementioned unenviable tasks may I offer the respite of the CSAP PD workshop. I know the CSAP PD workshop isn't exactly Surfing and Pina Coladas in Maui but hopefully you can find something there that will provide interest and perhaps you can learn a thing or two. In particular I would like to mention that Catalina Espino Devine will be making the trek from California to provide us with a presentation regarding Low Threat closure and how the regulatory changes made in California have allowed them to close more sites that are deemed to pose a low risk at reduced costs. I would like to close by giving a shout out to Glyn Fox who recently was awarded the Premier's Legacy Award for the contributions he has made at the Ministry of Environment over his distinguished career. Well done Glyn, make sure you take some well earned time off.

Salute to retiring member Ken Evans, P.Eng.

Ken has been a Numerical AP since May 27, 2005 and will be retiring in December 2016.

He was very active with committee work:

Professional Development Sub-Committee (past Chair) – member Mar 2008 to Jun 2012

Discipline Committee Membership – Feb 2013 to Dec 2016

Ken was also an active PA Panel member 2009-14.

Fall Industry Event Calendar

CSAP PD Webinar Nov.10 [More info...](#)

SLRA & Groundwater Models

CSAP Fall PD Workshop Nov.23 [Register Now](#)

In The News:

Trees are much better at creating clouds and cooling the climate than we thought. [\[Full Article\]](#)

Global carbon dioxide levels reach highest point ever, likely for good. [\[Full Article\]](#)