

Chair's Message
Bryan Brassington, P.Geol.

Dear DEP Member,

It has been a while since we have communicated with you; however the DEP Executive has been busy building this division. We have met several times so far in 2009 to discuss various initiatives based on our 2009 Strategic Plan, which is focused on promotion of the fields, involvement in guidance creation, and providing networking and professional development opportunities for our members. We have also created a professional development stream at the upcoming APEGBC AGM and Conference, and have recently provided recommendations to APEGBC Council about the Engineers Canada Model Guide for site remediation work. For more information on these and other initiatives see below or review our meeting minutes on our website.

We thank you for your support of the DEP, and we encourage you to forward your comments and input on the division dep.apegbc@gmail.com. With your input, together we can work to strengthen the practices of environmental engineering and environmental geoscience in BC.

Regards,

A handwritten signature in black ink, appearing to read 'B. Brassington', with a long, sweeping underline.

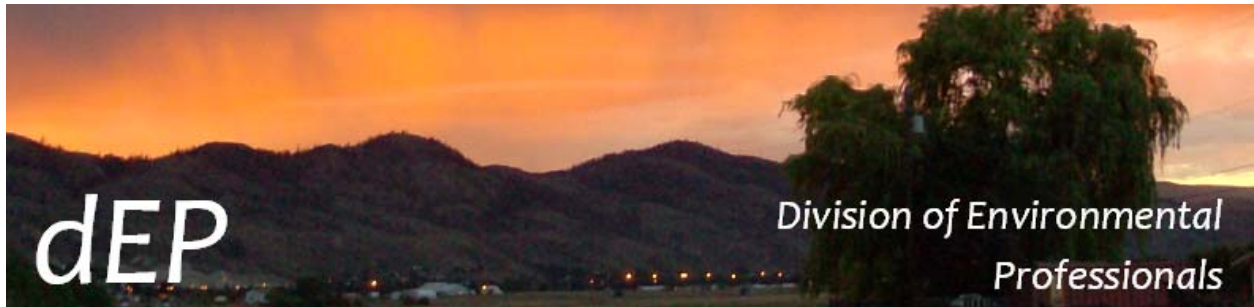
Bryan Brassington, P.Geol.

Review of Engineers Canada's "Model Guide for Site Remediation"

One of the key goals of the DEP is to be involved in the creation and review of practice standards or guidance documents. In May 2009 the DEP received the Engineers Canada "Model Guide for Constituent Members: Site Remediation for Professional Engineers" (Model Guide, dated January 2009) and began review of this document. The final goal of this review was to determine a recommendation to APEGBC Council on whether the document should be accepted as written, accepted with major or minor edits, or not accepted at all.

After polling DEP members and members of EMABC, CSAP Society and BCEIA, for feedback on the Model Guide, Lesley Reid and Vijay Kallur summarized member comments and prepared a memorandum to APEGBC Council on July 10, 2009. The DEP recommended to Council that the Model Guide not be accepted for implementation in BC. The DEP also recommended that APEGBC look into creating a Model Guide for BC Engineers and Geoscientist in the Environmental Industry performing various roles.

A copy of the Engineers Canada Model Guide can be found [here](#).



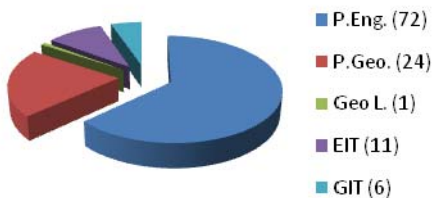
New Email Address, New Website on the Way

Please note, due to issues with the previous email account the DEP has changed its email address. We can finally be certain that we are receiving all of your input, comments, concerns and information at dep.apegbc@gmail.com. Look for our new website structure coming soon. The website (www.apeg.bc.ca/dep) will contain a library of resource links separated by fields, upcoming environmental event information, and news and information about the DEP.

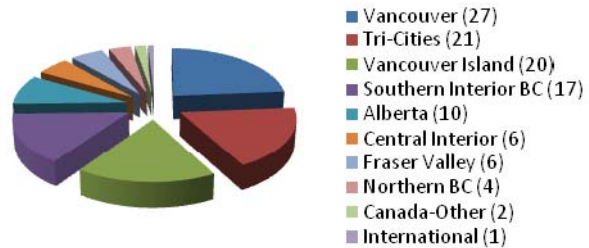
Membership Demographics

As of May 20, 2009 the DEP has 114 members registered. A quick demographic breakdown is shown in the following charts. As expected our largest group of members are based in the Lower Mainland, however it was interesting to see we have 12 members from three other provinces and even one based in Singapore.

Members by Category (Total 114)



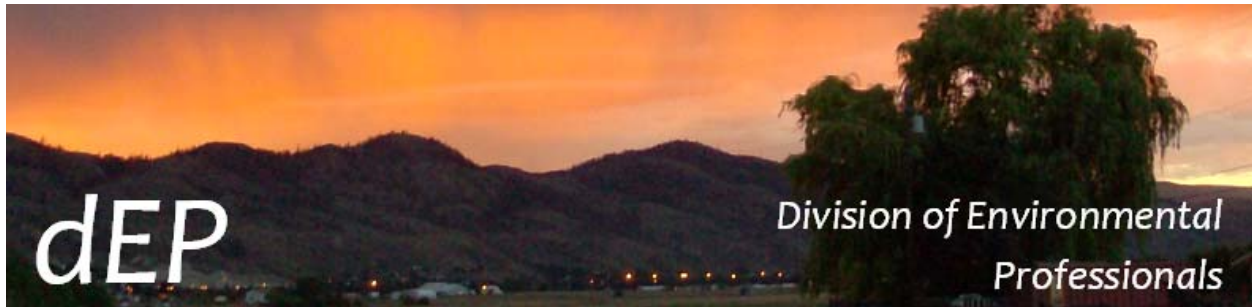
Members by Location (Total 114)



We have just received information about our member's primary fields of practice from APEGBC. The DEP Executive will be reviewing these demographics to target future promotion of the division and to determine locations of continuing professional development events.

APEGBC AGM and Conference – Oct 14 to 17, 2009 – Victoria, BC
DEP Environmental Stream – Oct 15, 2009
Dockside Green Sustainable Development Field Tour – Oct 14, 2009

The DEP has organized a full day of environmental professional development seminars and a field tour of Dockside Green sustainable development (co-organized by the Sustainability and Environment Committees) at APEGBC's Annual Conference and Annual General Meeting, to be held Thursday, October 15, 2009 in Victoria, BC. See below for further information on the seminar topics and presenters and the Dockside Green field tour. These presentations and the field tour are a great way to learn about ongoing environmental engineering and geosciences projects, and cutting edge sustainable community design. Please come out and support these events and earn valuable Professional Development Hours (PDH). Visit the APEGBC AGM and Conference website: www.apeg.bc.ca/ac2009/index.html.



FIELD TOUR

VICTORIA'S DOCKSIDE GREEN FIELD TRIP

Joe Van Belleghem

Wednesday October 14, 2009 1:30 – 4:30 pm

A holistic, closed-loop design, the eco-residential and eco-industrial development of Dockside Green will function as a total environmental system in which form, structure, materials, mechanical and electrical systems will be interrelated and interdependent - a largely self-sufficient, sustainable community where waste from one area will provide fuel for another. Residents, employees, businesses and the broader community will interact in a healthy and safe environment, reclaimed from disuse and contamination. Following a 45-minute presentation at the Victoria Conference Centre about the project, participants will take a 20 minute walk to Dockside Green and tour the completed residential & commercial phases of the project as well as the wastewater treatment plant and the biomass. **3.0 PDH – Informal**

DEP ENVIRONMENTAL STREAM – SEMINAR SERIES

SECONDARY SEWAGE TREATMENT IN VICTORIA

Dwayne Kalynchuk PEng

Thursday October 15, 2009 9:00 am – 9:45 am

The presenter will discuss the mandate to implement treatment in the Capital Regional District (CRD), the regional government for the 13 municipalities and three electoral areas that are located on the southern tip of Vancouver Island. Also outlined will be research and efforts currently underway to determine the best strategy for wastewater management in the core area. **0.75 PDH – Informal**

BROWNFIELD REDEVELOPMENT CERTIFICATION PROGRAM

Scott Bailey

Thursday October 15, 2009 9:45 am - 10:15 am

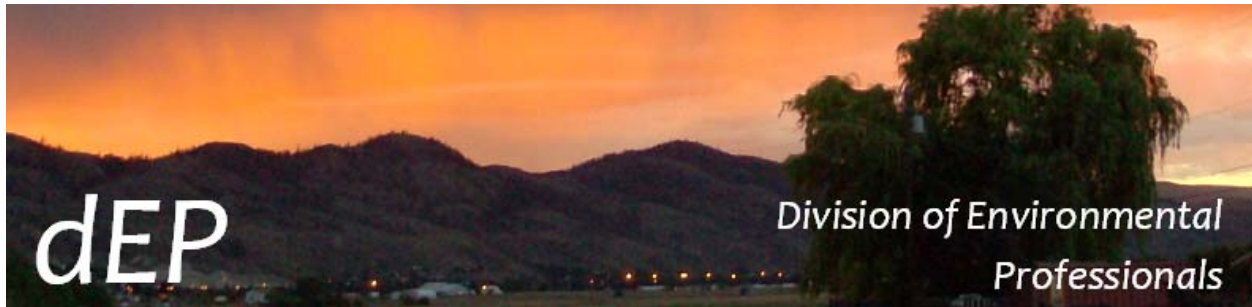
The Ministries of Agriculture and Land together with the Ministry of Environment are sponsoring the development and initiation of a new Brownfield Redevelopment Certification Program, which is jointly offered through BCIT's School of Construction and Environment and UBC's Sauder School of Business. This talk will provide an update on the program, its contents and the rationale behind it. **0.5 PDH – Informal**

BAMBERTON REVITALIZATION PROJECT, MILL BAY, BC

Michelle Mahovlich PGeo

Thursday October 15, 2009 10:45 am - 12:00 pm

The site of a cement plant for over seventy years, the Bamberton property was recently remediated following a twenty year period of abandonment. Learn about the unique remediation approach to the site and how the site was transformed from a Brownfield property to a revitalized comprehensive development site dedicating over 65% of the 1500 acres as parks and open space. The proposed development will use the Dockside Green site as a blueprint for sustainable neighbourhood development. **1.25 PDH – Informal**



MILLSTREAM MEADOWS REMEDATION PROJECT, DISTRICT OF HIGHLANDS, BC

Mary Anne Phillipone PGeo

Thursday October 15, 2009 1:45 pm – 2:20 pm

The Millstream Meadows site is located in the Highlands District of Greater Victoria. The site was historically operated as a septage disposal facility. Septage and other liquid wastes, including oily liquid waste were discharged into lagoons. In 2008, the CRD and the Province partnered to remediate the Millstream Meadows site, as a pilot project, under the BC Brownfield Renewal Strategy. Remediation work was undertaken in the summer of 2008 and additional work is planned for 2009. This seminar will provide an overview of the project history, work completed to date and work that is underway. **0.75 PDH – Informal**

VICTORIA'S DOCKSIDE GREEN REMEDIATION

David Kettlewell PGeo

Thursday October 15, 2009 2:20 pm - 3:00 pm

Dockside Green is a 6.4 hectare former brownfield site being redeveloped as a 1.3 million square foot mixed use sustainable community in Victoria. The Dockside Lands were formerly used for various industrial and commercial purposes, including a ship building operation, railway operations, an asphalt plant, and a cedar shake and shingle mill. The lands are now being developed with LEED® certified buildings, on-site sewage treatment facilities, a bio-mass co-generation facility, and various energy and water conservation features. The presentation focuses on the approach that was used to transform this contaminated brownfield site into a world recognized sustainable community. **0.75 PDH – Informal**

MOUNT WASHINGTON MINE REMEDIATION TO HELP RESTORE FISH HABITAT IN THE TSOLUM RIVER

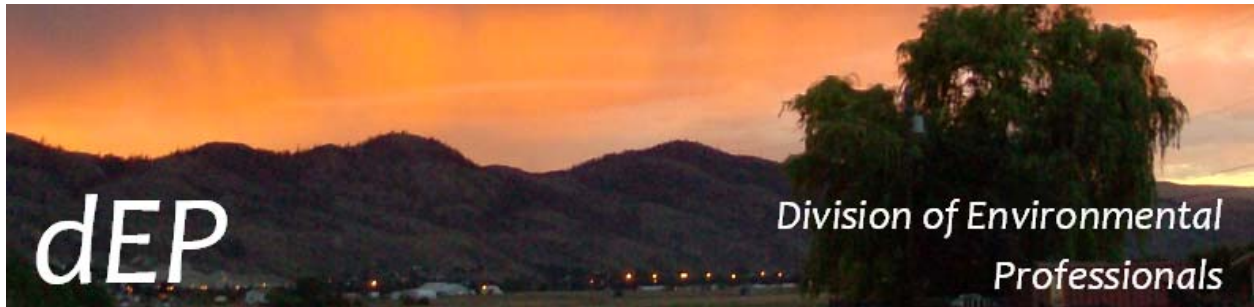
Alvin Tong EIT

Thursday October 15, 2009 3:30 pm - 4:15 pm

In 2008, BC's Environment Minister, Barry Penner, and Minister of State for Mining, Kevin Krueger, announced a \$4.5-million remediation of the abandoned Mount Washington open pit copper mine in an effort to support the recovery of the Vancouver Island fish stocks. Learn more about this project which will include the installation of a bituminous geomembrane that will cover the entire site and cover the soil for revegetation. Instrumentation will be installed to monitor water quality in and downstream of the project site. A water treatment plan will be considered as a contingency. **0.75 PDH – Informal**

Help Us Build Our Website Content

The DEP is currently redoing our website (www.apeg.bc.ca/dep) and constructing a document and information library. This library will contain informative articles, reports, presentations and links to various subjects within the environmental engineering and environmental geoscience fields. If you have come across an interesting article or report, please share it with the rest of the membership. Send it to dep.apegbc@gmail.com.



DEP Strategic Plan 2009

In October 2008 the DEP Executive met for a strategic planning session during the APEGBC AGM and Conference in Kelowna, BC. From that meeting the executive outlined a strategic plan focused on the following three goals for the 2009 season:

1. **Promotion of Environmental Engineering and Environmental Geoscience fields:** raising the level of respect and standards of practice for environmental work;
2. **Involvement in creation and review of standards or guidance:** provide comment on standards or guidance that impacts our members and create new guidance or standards of practice for areas of the environmental fields where it is needed;
3. **Create opportunities for our members to learn and network and create working relationships with other environmental professional groups.**

The DEP has begun initiatives in these three areas and will continue to work on them for the remainder of the year. If you would like more information on the strategic goals of DEP or would like to provide comment on these goals please contact dep.apegbc@gmail.com. If you would like to get involved in one of these goals please do not hesitate to contact us and get involved.

DEP Executive and Volunteers

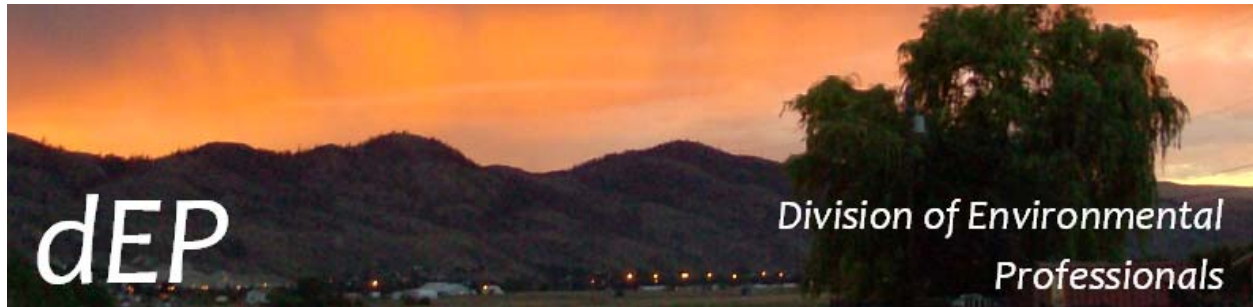
The DEP Executive consists of a small but dedicated group of individuals:

- Chair Bryan Brassington, P.Geo., Golder Associates Ltd.
- Vice Chair Lesley Reid, M.Eng., P.Eng., Stantec
- Treasurer Paul Wilson, M.Sc., P.Geo., Eng. L., Thurber Engineering Ltd.
- Secretary Rob Marsland, M.Sc. P.Eng., Marsland Environmental Associates Ltd.
- External Liaison Vijay Kallur, M.Sc., P.Eng., SNC Lavalin Environment Inc.
- Communications Melanie Hobbs, P.Eng.



We would appreciate any feedback you want to provide on the DEP or issues related to practicing in the environmental fields. If you have been looking for a way to get involved in the APEGBC or working to strength the fields of environmental engineering and environmental geosciences, we would value your time and service. We are currently looking for a few more members to assist our executive as Members-at-Large. Your role would be to aid in the organization of communications and promotional materials, and assist in organizing DEP events.

To get involved please contact dep.apegbc@gmail.com.



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Website: www.apeg.bc.ca/dep

Upcoming APEGBC Environmental Events

Geothermal Exchange Seminar

September 15, 2009, Vancouver, BC

Website: http://www.apeg.bc.ca/prodev/events/geo_exchange2.html

Greening Your Engineering Practice Seminar

September 16, 2009, Vancouver, BC

Website: http://www.apeg.bc.ca/prodev/events/greening_engineering_practice_sept09.html

Opportunities for Engineers in the Greenhouse Gas Market Seminar

September 22, 2009, Burnaby, BC

Website: http://www.apeg.bc.ca/prodev/events/opportunities_ghg_marketbby.html



Professional Engineers
and Geoscientists of BC

Upcoming External Environmental Events

BC's 33rd Annual Mine Reclamation Symposium, 'Selenium Reclamation of Coal Mines and General Aspects of Mine Reclamation'

September 14 to 17, 2009, Cranbrook, BC

Website: <http://www.trcr.bc.ca/>



10th Annual Canadian Brownfields Conference 'Canadian Brownfields 2009: Going for Gold'

October 26 to 28, 2009, Vancouver, BC

Website: <http://www.canadianbrownfields.ca/>



Tailings and Mine Waste '09

November 1 to 4, 2009, Banff, AB

Website: <https://uofa-cee.gobigevent.com>

11th International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production

November 16 to 19, 2009, Banff, AB

Website: <http://www.mpes-cami-swemp.com/>