



Professional Engineers
and Geoscientists of BC
www.apeg.bc.ca

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The 4th Dimension

Association of Professional Engineers and Geoscientists of BC
Victoria Branch Newsletter
www.apeg.bc.ca/vic

The November dinner meeting will be held at 5:30 pm on Thursday, November 30 2006 in Queenswood Room at the Cadboro Commons Building, University of Victoria. Our speaker is **Michelle Mahovich**, P.Ge who will speak on the topic: "**Brownfield Site Reclamation and Remediation: Bamberton Lands**". Branch members are **strongly** encouraged to join us and learn of the latest events from the Victoria Branch.

Presentation Abstract:

The Bamberton Lands consist of 1463 acres or 592 hectares of property comprising 17 legal lots. The property includes Oliphant Lake which occupies 175 acres (71 ha.) of land.

Bamberton is named after H.K. Bamber, Chief Engineer of the Associated Portland Cement Company of London, England who was sent to the site in the early 1900's to explore its use for cement manufacturing. In 1912, a small town and cement manufacturing plant were established by the Associated Portland Cement Company under Mr. Bamber's management across the inlet from Butchart's cement plant. The site operated until 1981.

From 1990 to 1994, the property was the proposed site of a much-contested development. The site was mandated by Director's order to go through the B.C. Environmental Assessment Act in 1994. The development proposal eventually failed, the site remained abandoned with contaminated soil in numerous locations and remained vacant until its purchase in March 2005 by Three Point Properties (TPP).

At the time of purchase all of the cement manufacturing buildings were in a derelict state. Health and safety of workers on the site and random public access of the large site meant that the buildings posed a hazard. In July 2005, Three Point Properties (TPP) began reclamation and remediation of the property. The project is the largest independently funded remediation project on Vancouver Island at this time. The project team from the Bamberton site was a finalist for the 2006 APEG BC Environment Award in the category of concept and assessment. The planning, approval process and implementation of the remediation plan will be the topic of the APEG presentation. Come, join us and learn more.

Bamberton Sites



Old Plant 1



Old Plant 2

Event Details

When: **Thursday, November 30, 2006:** Social at 5:30 pm; Dinner at 6:30 pm.

Where: **Queenswood Room**, Cadboro Commons Building, University of Victoria

For directions and maps to the University of Victoria, link to <http://www.uvic.ca/maps/index.html>.

To find out where Cadboro Commons Building is on campus, link to

<http://www.uvic.ca/buildings/ucl.html>.

Parking is free of charge after 6:00 pm Monday through Friday and all day on Saturday.

Parking permits may be purchased during the day from vending machines located at most Campus Entrances; also there is a limited number of metered spaces available in Lot 1, which is located close to the building.

Cost: **Cost (dinner included except where noted):** Registered members and guests \$20.00 ea.; Students \$10.00 ea.; **Late registration:** \$25.00 ea.; Admission at the Door: \$30.00 ea.; Presentation-only \$5.00 ea. (dinner not included).

RSVP: Please register in advance via the telephone answering service at **721-8896** by **NOON Friday, November 24**. Provide the name of those who you are registering and your telephone number.

Registration after **NOON Friday, November 24** but prior to **NOON, Monday, November 27** will be considered **Late registration**. If you register but can not attend, please call **477-0151** by **NOON** the day before the meeting and give notice of cancellation on the answering service (please note that the branch may have to pay for dinners that are not cancelled).

You can also register on the web: Visit <http://www.me.uvic.ca/APEG.htm> and register by **NOON Friday, November 24**. To complete the registration, please provide your name and phone number.

Late registration cost of \$25.00 ea. applies after **NOON Friday, November 24** and prior to **NOON, Monday, November 27**. Friends, Associates and partners are always welcome (pre-registration is recommended). If you cannot join us for dinner, please come and join us for the presentation.

Speaker of the Month

Michelle Mahovlich, P.Geo. has over 15 years experience in investigation and remediation of contaminated sites after she started her work in B.C. at the Coal Harbour site in Vancouver. As a project coordinator, she has been involved in several projects under the B.C. Environmental Assessment Act and was the Senior Project Manager for SEACOR Environmental Inc. overseeing the environmental remediation of the Bamberton site before moving over to the position of Development Manager for Three Point Properties in May 2006.

Summary of the Last Dinner Presentation

Our October speaker, Dr Nigel Livingston, gave an exciting presentation on the past, present and future of the University of Victoria Assistive Technology Team (UVATT). He made an interesting introduction to the history behind UVATT and how it related to his daughter who had special needs. He showed a number of slides on persons with special needs and how his university team succeeded to improve the quality of life of those with disabilities. He mentioned that since its inception in 1999, UVATT has taken on over 130 projects and served clients and their families across the province, the country and around the world. Within UVIC, over 1100 students and 50 faculty members have been involved in its activities. Dr. Livingstone highlighted many of his teams successful projects, many of which he showed on the slides. He mentioned that every week he has been receiving 5-6 requests for assistance. Projects are wide ranging and include the development of communication systems for those with extremely severe disabilities based on the detection of brainwaves, the development of tricycles for visually impaired children, and the development of online learning modules for those with developmental disabilities. He also showed a short video on the construction of a Dynamic Onscreen Keyboard for online learning by people of special needs. He mentioned that he would soon direct a unit within the University of Victoria CIAI, short for Canadian Institute for Accessibility and Inclusion.



New Vice Chair

We are pleased to announce that James (Jim) West, P.Eng. was elected by the Branch Executives to be the Vice Chair (06-07). Jim graduated from UBC in Geological Engineering in 1986. Since then he has worked in BC for several Engineering Consulting companies doing geotechnical, hydrogeologic and environmental work. Jim has lived in Victoria for six years and currently manages the Victoria Branch of Trow Associates Inc.

Call for Volunteers

We need volunteers to help out with the Math Challengers which will take place on Feb.2, 2007. Contact: Jan Buermans. Email: janbuermans@shaw.ca.

Corporate Dinner Sponsors

APEG Victoria Branch is looking for corporate sponsors for our Monthly Dinner meetings. These Dinner meetings are well attended and provide an excellent forum to display and promote your company and services that you provide. In addition, Dinner sponsor information will also be included in our monthly newsletters which are distributed to over 1,300 Victoria Branch members and other organizations. Please contact Duane Marriner, Events Coordinator, at 370-9302 or Andy Jani, Chair, at 953-3756 for further information.

Upcoming Events

APEGBC, Victoria Branch

Victoria Branch dinner meetings are held the last Thursday night of every month from September to May excluding December. Meetings are usually held in the Cadboro Commons Building, University of Victoria and start at 5:30 p.m. The next dinner meeting is at Queenswood Room, Cadboro Commons Building, University of Victoria.

Everyone is welcome to attend the Branch Executive meetings held every month at the Cedar Hill Recreation Centre/Cedar Hill Squash Club. The next meeting is scheduled for Wednesday December 6, 2006.

Events

- Nov. 4 Connecting 4 Change. *Information:* www.vancouver.ewb.ca.
- Nov. 5-10 ASME International Mechanical Engineering Congress. *Information:* www.asmeconferences.org/congress06.
- Nov.14-17 Landslide and Forest Operations on Vancouver Island: Understanding the Hazard and Lowering your Risk. *Information:* www.selkirk-management.com/landslides_and_forest_ops.html.
- Nov. 29, Christmas Celebration, Engineers' Wives Association. *Information:* Marg Halvorson 598-9537.

APEGBC Technical Seminars

- *BC Codes & Practices Exam Preparation Seminar, October 23, 2006 – Vancouver, BC*
- *Current Practice in Acid Rock Drainage Prediction, November 2- Prince George, BC*
- *Seismic Assessments and Retrofit Design Concepts Using a Performance-Based Approach, November 3, 2006- Vancouver BC or via Webcast*
- *Guidelines for Legislated Landslide Assessments for proposed Residential Developments in BC, November 16, 2006 – Kelowna, BC*
- *Failure Mode & Effects Analysis (FMEA)/Failure Mode & Effects Criticality Analysis (FMECA): Reliability Boot Camp, November 16, 2006 – Vancouver, BC*
- *Storm Water management Analysis, November 23, 2006 – Terrace, BC*
- *HVAC Systems: Overview and Design Issues for Sustainable Buildings, November 29 – Kamloops, BC*
- *Geotechnical Engineering & resource Road Workshop, November 30 & December 1, 2006 – Vancouver, BC*
- *Business Development Group, November 7, 2006 – Burnaby, BC*
- *Mediation Skills for Managers, November 8 & 9, 2006 – Vancouver, BC*
- *Better Business Group, November 15, 2006 – Burnaby, BC*
- *Managing Project Costs, November 16, 2006 – Vancouver, BC*
- *Leadership Action Skills, November 21, 2006 – Vancouver, BC*
- *Expert Witness, November 22, 2006 – Vancouver, BC*
- *Negotiation Skills, November 24, 2006 – Trail, BC*
- *Tax Issues for Small Business, November 30, 2006 – Vancouver, BC*
- *Great Groups: Breakthrough Leadership and Collaboration, December 1, 2006 – Vancouver, BC*
- *Developing Effective Project Practitioners: Competency-Based Project management Training, December 5 & 6, – Vancouver, BC*
- *Law & Ethics Live Seminar, December 11 & 12 – Vancouver, BC*

For details: Visit Events Update, APEGBC Webpage.

Have Your Say!

Do you have concerns or comments you like to voice? We love to hear from you and welcome any contributions to this newsletter, humorous or otherwise. The deadline for submissions to the next newsletter is November 20, 2006. Please send them to Harry Kwok, University of Victoria at hkwok@ece.uvic.ca.

Advertisements

While APEGBC – Victoria Branch is not in a position to endorse advertisements, we do provide them as a service to our members. The advertising rates are \$200 for eight continuous advertisements and \$30 for a single advertisement.

Engineer Your Financial Future

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Tom McLean PEng CFP
Money Concepts Victoria 475-3698



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