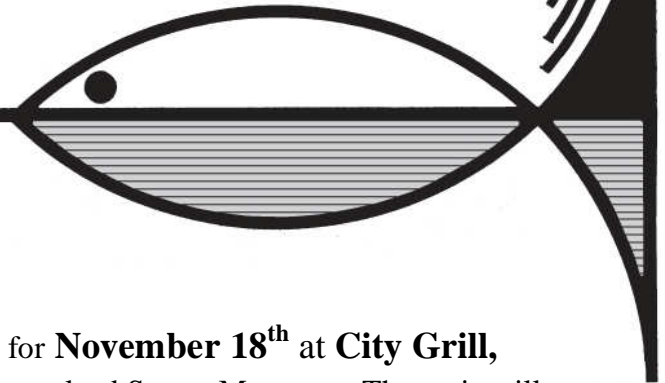




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ASHRAE
NB PEI CHAPTER



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This month's meeting is scheduled for **November 18th** at **City Grill**, formerly Boomerangs, on 120 Westmorland Street, Moncton. The topic will be **Seismic Restraints** and will be delivered by Derek Johnston of Tecoustics Ltd. The social hour will begin at 5:00 PM with a cash bar. The presentation will follow at 6:00 PM. Dinner will be served at 7:00 PM.

The November meeting is **Membership Night**.

Executive Meeting Notice

A reminder to the Executive, Board of Governors, and the Committee Chairpersons that the executive meeting will start at 3:30 PM at City Grill.

Sustainable Urban Design the Focus of ASHRAE Winter Conference '09 in Chicago

At the 2009 ASHRAE Winter Conference in Chicago, you can be greeted at the Tech program not once but twice, courtesy of this year's extended series of sessions at McCormick Place on Wed., Jan. 28. Although the conference's technical program begins Jan. 25 at the Palmer House Hilton, the "Wednesday Welcome" event at the AHR Expo location offers ASHRAE members a chance to attend a kick-off morning reception and receive critical technical information at the educational sessions, with access to the show floor to see the latest in HVAC&R offerings. Sessions held at McCormick Place feature back to basics sessions on load calculations and liquid chiller operations, BIM, Standard 62.1's demand controlled ventilation and IAQ procedure, VFDs, commissioning for sustainability programs, building automation systems and sessions entitled *Liability and Litigation Issues in Green Design, Part 1 and 2* and *Case Studies in Sustainable Retrofit to Reduce Energy of Existing Buildings*. Overall, the technical program offers more than 100 sessions, with more than 140 Professional Development Hour credits available.

For anyone planning on attending this event, please see Dan Boudreau at the next meeting for a VIP Invitation for free registration to the AHR EXPO.



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Frédéric R. Desjardins,
 P.Eng., LEED® AP
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Toronto Winnipeg Vancouver Ottawa Moncton Saint John

November Meeting

The lecture for our ASHRAE Chapter meeting will consist of a review of vibration and noise control, how good noise control procedures can be incorporated with seismic control according to NBC 2005 standards. Finally a short review of Shock and Blast control will be introduced.

- Between 1974 and 1980 Derek worked in the Cooling tower and Chiller business first for Ecodyne Ltd and then for Berg Chilling. Valuable experience in mechanical systems and piping was gained.
- From 1980 to 1989 a career in noise and vibration control was started as a sales representative for Vibron Ltd., Canadian manufacturer of Silencers, Acoustic panel and Vibration Isolation.
- In 1989 Derek moved to Tecoustics Ltd. and has been there ever since, first as an employee then as owner of the business.

Tecoustics is a Canadian company specializing in the design and supply of noise, vibration and shock control equipment. They have been actively involved in Seismic control for mechanical and electrical equipment, piping, duct etc. since 1990. Tecoustics has provided innovative, industry leading designs for thousands of jobs varying from The Nuclear facility in Willsong South Korea, to the Library of Parliament in Ottawa and the Air Traffic Control Tower at Toronto Airport.

ASHRAE NB/PEI Chapter – Afternoon Out With The Cats

Due to the success of last year’s event, the ASHRAE NB/PEI Chapter would like to invite all chapter members and guests to attend a hockey game between the Moncton Wildcats and the Shawinigan Cataractes on Sunday February 22, 2009. Details are included in the registration form, which can be found on our website at www.ashraenbpei.com. The deadline for registration for this event is January 30, 2009.

If you have any questions, please contact Dan Boudreau at (506) 858 1300 or by email at dboudreau@enerplan.com.



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Summary of October's Molson Brewery Tour

The tour started off in the Upper Brew House. Here we saw from above 4 tanks, the mash ton, lotter ton, kettle, and whirlpool. In the mash ton, hot water and malt are mixed for about 1 hour, from there they go to the lotter ton where it is filtered, rinsed, and mixed with sugar. After the lotter ton, the sugar solution (wort) is sent to the kettle where it is boiled. Next the solution is sent to the whirlpool where it comes in on a tangent and is swirled around to remove sediment.

In the Lower Brew House we got a view of the tanks from the ground, here we were showed the heat exchanger where the temperature is dropped to 20 degrees C then sent to the fermenters. After spending 2 weeks in the fermenter the solution is sent to the filter room where it is filtered and water is added.

In the yeast room we were showed the yeast vessel where they store the yeast. Yeast is re-used for 6 generations before being disposed of. The water room is used to treat the city water coming in, they deairate the water and send it through a carbon filter.

In the cellar (which is between the 21 fermenters and holding tanks) is where they can take samples of the beer for testing at any stage in the process.

In the packaging facility we saw the lab where the beer is tested. The bottle washer dips the bottles in a caustic dip to remove anything that may have been left over in the incoming recycled bottles (they have quite an impressive pile of cigarette butts). From there they are washed and rinsed upside down for 45 minutes and scanned to make sure there is nothing left in the bottle or for imperfections in the bottle. From there the bottles are sent to the filling valves where they are filled and crowned (capped) then sent to the labeling machine for labeling, and packaging.

The brewery also acts as a distribution centre for distribution to stores in NB and PEI. Although only Molson Canadian and Coors Light are brewed here they distribute all Molson products and several other breweries to stores from this location.

In the Keg Room we saw the washing and filling of Kegs to be distributed to bars and restaurants.

33 people attended the tour and a good time was had by all in the Eric Molson room following the tour where we sampled some of the products brewed there.

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NB/PEI ASHRAE Chapter Meeting Schedule 2008/2009

November 18, 2008

Membership Night

Topic: Seismic Restraints

December 9, 2008

Past Presidents/History Night

Topic: Wind Energy

January 13, 2009

Student Night

Topic: Solar Heating

February 10, 2009

Research Promotion Night

Topic: Copper Fin Boilers

March 10, 2009

Refrigeration Night

Topic: Refrigerants

April 7, 2009

Research Promotion Night

Topic: Distinguished Lecturer

April 22, 2009

ASHRAE WebCast

Topic: Indoor Air Quality

May 12, 2009

Refrigeration Night

Topic: Dehumidification

June 9, 2009

Membership Night

Topic: Corridor Resources



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