

CCOH Newsletter

Canadian Council of Occupational Hygiene
Summer 2008

<p>CCOH Executive & Members 2008</p> <p><i>Each geographic area / local provincial organization is represented by a director at the CCOH.</i></p> <p>Directors/Assistant Directors:</p> <p>Azmina Hasham (British Columbia)</p> <p>Terry Demianenko / Kurt Dieckmann (Yukon)</p> <p>TBD (Northwest Territories / Nunavut)</p> <p>Shivi Thusoo/Luisa Lu (Alberta)</p> <p>Herb Wooley (Saskatchewan)</p> <p>Jane Maslowski / Edward Gatey (Manitoba)</p> <p>Lorraine Shaw - President / Richard Quenneville (Ontario)</p> <p>TBD (Quebec)</p> <p>Clive MacGregor – Treasurer/ Jason McInnis (Atlantic)</p> <p><u>Website Committee:</u> Chuck Pilger Sheldon Weatherby</p> <p><u>Newsletter Committee</u> Yang Ting Shek (editor) Michal Zitnik</p>	<p>Letter from the Editor.... Yang Ting Shek, ROH, CIH Editor – CCOH Newsletter</p> <p>Welcome Readers to the 2008 Summer edition of the CCOH newsletter. This edition brings you two updates. Richard Quenneville, our Ontario CCOH Director presented an update of CCOH activities at a round table at the AIHce in June. Richard's article also summarizes presentations from other Canadian hygienists from CCOHS (Canadian Centre for Occupational Health and Safety), CRBOH (Canadian Registration Board of Occupational Hygiene) and UBC (University of British Columbia) during the same round table. Secondly, Jason McInnis, our Atlantic Canada CCOH Director also provided us an update of the AIHA Atlantic Province Section Spring Symposium.</p> <p>CCOH has also reached an agreement with other provincial organizations to share newsletter articles. Namely, the AIHA-Alberta and AIHA-BC/Yukon Sections and the Occupational Hygiene Association of Ontario (OHAO), since they also produce regular newsletters. The purpose of this agreement is to share our information and our interests. For this edition, an article on the <i>Health and Safety Concerns of Firefighters, Police and the Public during the 2003 Okanagan Mountain Park Fire</i> was selected. This article was picked based on the fact that it is a common interest across many provinces in Canada.</p> <p>Hope you are all enjoying the summer! Happy Readings!</p> <p>In this issue...</p> <table><tr><td>Letter from the Editor</td><td>Page 1</td></tr><tr><td>Occupational Hygiene: A Canadian Perspective, Round Table (RT) 205, AIHce'08</td><td>Page 2</td></tr><tr><td>AIHA Atlantic Province Section - Summary of Spring 2008 Symposium</td><td>Page 3</td></tr><tr><td>Health and Safety Concerns of Firefighters, Police, and the Public during the 2003 Okanagan Mountain Park Fire</td><td>Page 4-5</td></tr><tr><td>Summary of OHS Legislative Change</td><td>Page 5-8</td></tr><tr><td>Upcoming Events across Canada</td><td>Page 8-10</td></tr></table>	Letter from the Editor	Page 1	Occupational Hygiene: A Canadian Perspective, Round Table (RT) 205, AIHce'08	Page 2	AIHA Atlantic Province Section - Summary of Spring 2008 Symposium	Page 3	Health and Safety Concerns of Firefighters, Police, and the Public during the 2003 Okanagan Mountain Park Fire	Page 4-5	Summary of OHS Legislative Change	Page 5-8	Upcoming Events across Canada	Page 8-10
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Occupational Hygiene: A Canadian Perspective Round Table (RT) 205 AIHce'08

By Richard Quenneville, ROH, CIH

The Canadian Council of Occupational Hygiene recently delivered a presentation entitled "Update on the Canadian Council of Occupational Hygiene (CCOH / CCHT)" at the AIHce 2008 conference Round Table 205 "Occupational Hygiene: A Canadian Perspective" on Monday June 2 in Minneapolis Minnesota. We provided an audience of about 48 attendees with an overview of the CCOH goals, organization chart, our website, newsletter activities and Webinars success and future plans including our wish to collaborate with the other occupational hygiene associations to have a Canadian presence at the AIHce 2009 in Toronto ON and PCIH 2009 in Vancouver BC.

A copy of the CCOH presentation can be found on the CCOH website:

<http://www.ccoh.ca/presentations.htm>

Jan Chappel with the Canadian Centre for Occupational Health and Safety (CCOHS) provided a talk on "Going Beyond...A National Perspective on Occupational Hygiene in Canada: Past, Present and Future". Jan described emerging trends, including the changing workplace, emerging technologies, employee wellbeing and emerging issues such as ergonomics, general awareness and training, violence in the workplace, stress and aging workers.

Luc Hamelin provided a presentation on "The Canadian Registration Board of Occupational Hygienists 2008 Report". Some of the activities by CRBOH included IOHA participation, AQHSST Roundtable, writing articles for the Synergist, IOHA Newsletter, Canadian AIHA Newsletter and OHS Canada communication as well as presentations to Quebec CEGEP. Their strategic planning session highlights include promotion of OH profession and CRBOH, survivorship of the profession, external

communications and fit with other professions and boards. Luc reviewed the committees, membership changes and numbers by province and certification details.

Karen H. Bartlett, PhD from the School of Environmental Health, University of British Columbia presented "Training of today's graduate hygiene student".

Karen provided a brief description of the occupational hygiene programs in Canada including McMaster's diploma program in occupational health and safety, McGill's PHD and M.Sc. diploma (Applied) Occupational Health Sciences (Faculty of Medicine), University of Alberta, Occupational Health (School of Public Health) M.Sc. in Occupational Health and M.Sc./PHD in Public Health and University of Toronto Masters of Health Science (MHSc.) and PhD Health and Behavioural Sciences.

The UBC School of Environmental Health (formerly known as School of Occupational and Environmental Hygiene) provides a MSc and PHD program. She explained that the UBC core competencies are found under umbrella of occupational health including occupational hygiene, occupational medicine/ nursing, safety, ergonomics, engineering (controls) and continuing education.

Aaron K Trippler, Director-Government Affairs presented "AIHA Occupational Hygiene: A Canadian Perspective (Presented by an American)" a compelling argument for why Canadians might need "Title Protection". According to Aaron, there are ~ 350+ designations being used in the market including < 12 accredited professional groups in occupational hygiene. Professional Recognition legally defines the titles chosen while Title Protection not only legally defines but also legally protects.

Title protection prohibits unqualified individuals from using terms. It also provides the public with assurance of qualifications, policymakers with means to protect public and credibility. And last but not least, it provides recognition, recognition and recognition! The USA has been successful in 17 states with title protection, 1 with professional recognition and 1 with voluntary licensing law. Legislation does not restrict anyone from doing IH work, but prohibits the titles.

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AIHA- Atlantic Province Section (APS) Update

Summary of Spring 2008 Symposium

By C.J. McInnis, ROH, CRSP (President Elect
– AIHA APS Section)

On March 28, 2008, the Atlantic Provinces Section held their Spring Symposium and Annual General Meeting in Halifax, Nova Scotia. The theme of the symposium was “Occupational Noise – Historical Challenges and Innovative Solutions for the 21st Century”. The objectives of the workshop were to review occupational and environmental noise sources, associated hazards, measurement techniques, innovative noise control options and responsible management of human noise exposure. The symposium was well attended with registered delegates throughout Atlantic Canada. The presenters were Mr. Tim Kelsall

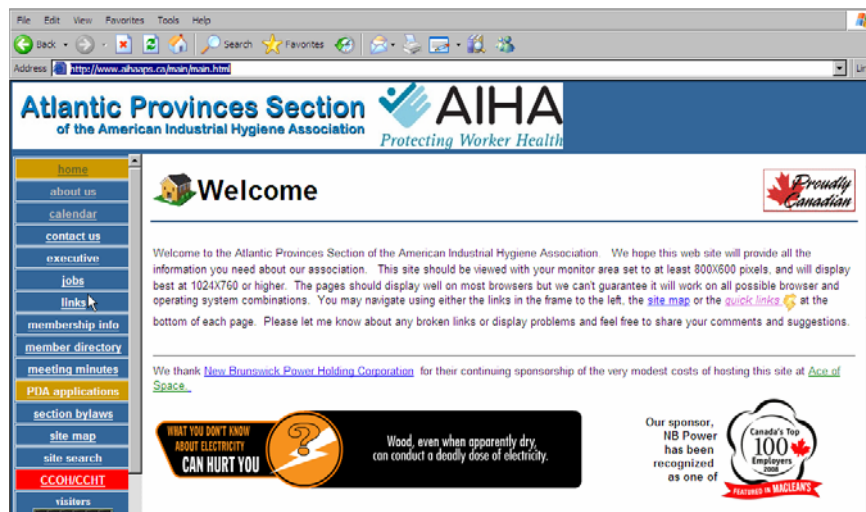
(Director of Noise and Vibration with Hatch Engineering) and Mr. Rob Brauch (Industrial Hygiene Manager with Larson Davis).

The upcoming fall symposium is currently scheduled for October 23rd in Halifax, NS. The topic to be covered is ‘Risk Communication’ and will be presented by Dr. Peter Sandman. Dr. Sandman is the founder of the Environmental Communication Research Program at Rutgers University, has published several books and numerous articles and he is widely considered to be one of the preeminent experts in the field of risk communication.

Congratulations to the AIHA APS Section on winning the 2008 Local Section Website Competition

As winner, the AIHA APS received an award of \$500 and recognition from the AIHA. The credit for this website goes to their "website guru," Mr. Kim Gordon.

You can visit the AIHA APS website at <http://www.aihaaps.ca/main/main.html>



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Health and Safety Concerns of Firefighters, Police, and the Public during the 2003 Okanagan Mountain Park Fire

By Rene Blanliel

This article was written by Rene Blanlie (also presenter of the subject) for the AIHA-BC/Yukon section in October 2007. This article is republished with the permission of the author. Editorial modifications have been made by Yang Ting Shek, CCOH Editor.

Fire Chief Rene Blanliel was the AIHA-BC/Yukon section's guest speaker at their September meeting. He presented on the health and safety concerns of firefighters, police, and the public during the 2003 Okanagan Mountain Park Fire.



Okanagan Mountain Park Fire

The Okanagan Mountain Park fire of August and September 2003 consumed over 25,000 hectares of forest and park land south and east of the city, forcing the evacuation of more than 27,000 people and destroying 239 homes on the southern edges of the city.

The inferno began with a lightning strike on August 16th; the firestorm challenged personnel from over 60 fire departments across British Columbia, over 1,000 forestry

fire fighters, contractors and loggers as well as 1,400 members of the Canadian armed forces.



The Regional District of the Central Okanagan's Emergency Response Plan was put into action and the Emergency Operations Centre (EOC) at the main firehall worked smoothly and efficiently. Inter-agency cooperation was paramount at both the EOC and at Incident Command.



Health and Safety Efforts

Efforts to maintain the health and safety of the front-line workers were set-up early in operation. These efforts included:

- a check-in/-out system for fire-fighters before and after their shifts,
- medical doctors and psychologists at the fire stations to assist with emotional or mental stress;
- ambulance personnel slated in key areas to assist with physical trauma; and
- safety officers were implemented for fire-fighters that strategically planned fire-extinguishing tactics on-site.

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Back burns were conducted and a 17 kilometer fire guard was built at the city of Kelowna's perimeter. These tactics were successful in deterring the fire temporarily. Initial evacuation orders were issued for 11,250 residents, which later expanded to include an additional 27,000 residents. Due to high winds, the fire was able to cross the guard resulting in the loss of 238 homes.

Recovery Effort

The City of Kelowna's Fire Recovery Team was formed in September 2003 to spearhead community recovery efforts in the wake of the fire's devastation. The City established a Recovery Centre office, and Recovery Centre staff helped process all social service requests arising from the fire.

The City also established the Kelowna and Area Okanagan Fire Recovery Society to coordinate the recovery effort; working in concert with other agencies and groups, society volunteers helped rebuild lives and rebuild the community.

Editor's note

For additional information on the occupational health and safety aspects of firefighting, the reader may wish to visit the following resources on the internet:

CCOHS:

http://www.ccohs.ca/oshanswers/occup_workplace/firefighter.html

NIOSH:

<http://www.cdc.gov/NIOSH/FIRE/>

International Association of Fire Fighters:

<http://www.iaff.org/hs/index.htm>

Summary of OHS Legislative Changes – May 2008 to August 2008

By Michal Zitnik, ROH, CIH

British Columbia

Guideline Updates 2008

Many sections of the *Occupational Health and Safety Regulation* and *Workers Compensation Act (WCA)* have associated guidelines. The following list shows the new and updated guidelines for June 2008.

Workers Compensation Act

Part 3 Division 1 Interpretation and Purposes

G-D1-108-7 Jurisdiction over mines

This new guideline clarifies the Occupational Health and Safety jurisdiction of WorkSafeBC and the Ministry of Energy, Mines and Petroleum Resources over organizations that conduct work on or around mines and quarries

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Occupational Health & Safety Regulation

Part 4 General Conditions

[G4.11](#) Putting equipment, machinery and work processes into operation

This new guideline has been developed to address concerns that arose from the investigation of an industrial accident, in which a worker was severely injured. The equipment had been returned to service after work on it by the supplier. Among other things, a service manual had not been provided for the equipment.

[G4.81/4.82](#) Controlling exposure to environmental tobacco smoke (ETS)

After the guidelines were initially posted on March 31, 2008, WorkSafeBC developed a detailed compliance strategy for use by its Prevention officers. As a result, the discussion of compliance strategy in Guideline [G4.81/4.82](#) Controlling exposure to environmental tobacco smoke (ETS) was revised to focus on information of primary use to workplaces. The guideline also incorporated some information from the Ministry of Health on the application of the term "fully or substantially enclosed", as defined in their requirements. Some minor editorial revisions were made to two other guidelines: [G4.82\(1\)](#) and [\(2\) Designated areas](#); and [G4.82\(3\) Protecting home service workers from ETS](#).

Part 6 Substance Specific Requirements

[G6.6-3](#) Qualifications

This guideline has been modified to provide a clearer description of the qualifications necessary to perform asbestos risk assessments and work activity classification.

Part 8 Personal Protective Clothing and Equipment

[G8.15\(1\)](#) Prescription safety eyewear - Alternate standards

This new guideline specifies alternate standards acceptable to WorkSafeBC for prescription safety eyewear under section 8.15(1) of the Regulation.

Part 9 Confined Spaces

[G9.1-1](#) Excluded confined spaces

This guideline has been in place for almost three years. During that time some concerns have arisen about the possible misapplication of the list of excluded spaces if the circumstances in which they are excluded are not more fully understood. In addition, there had been some confusion about the wording related to intentionally introducing air contaminants. Some amendments have been made to clarify these matters, without changing intent. In addition, the updated guideline adds underwater confined spaces to the list of exclusions. Some minor editorial amendments are also made to reflect current terminology (e.g., "WorkSafeBC" in place of "the Board").

Part 16 Mobile Equipment

[G16.33](#) Use of seatbelts on forklifts

This guideline has been developed to clarify when a seatbelt is required to be used on forklifts.

Part 20 Construction, Excavation & Demolition

[G20.112](#) Hazardous materials - Asbestos

This new guideline has been developed in response to stakeholder's enquiries and WorkSafeBC prevention officer's observations, and provides information for building owners, contractors, and consultants on pre-demolition asbestos inspection and abatement.

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Part 22 Underground Workings

[G22.2\(2\)](#) Application of Part 22 (Underground workings)

This new guideline discusses the circumstances of which an underground working can be considered to be a permanent facility in its final structural condition. It also provides information on the application of the Regulation to underground projects that have been completed.

Editorial Revision

The following guidelines have editorial revisions:

- [G4.82\(1\) and \(2\)](#) Designated areas
- [G4.82\(3\)](#) Protecting home-care service workers from ETS
- [G12.74-2](#) Automotive lifts and other vehicle support standards -- Applicable standards

Guidelines Removed

- G4.81 Controlling ETS exposure -- Application to vehicles
- G4.82(3)-1 Entry into an indoor area where smoking is permitted

Source: <http://www2.worksafebc.com/>

Manitoba

New Guidelines on Automotive Lifts:

Source:

<http://www.gov.mb.ca/labour/safety/guidelines.html>

Nova Scotia

Consultation on Boilers and Pressure Equipment Regulation Changes

The province is seeking input on new regulations that will modernize the rules for operating boilers and pressure equipment.

The Department of Labour and Workforce Development encourages comments and suggestions from industry representatives and other interested groups, during a series of consultations beginning today, July 22, and ending Sept. 19.

The review of regulations for boilers and pressure equipment, which are used to heat large buildings and operate refrigeration systems, is part of Phase One of changes to the province's technical safety legislation. It is also in keeping with the province's Better Regulation Initiative. The new Technical Safety Act will replace the Steam Boiler and Pressure Vessel Act in early 2009, and revised regulations will be required.

A consultation paper outlining key legislative changes will be circulated to industry representatives and posted on the department's website:

Source:

<http://www.gov.ns.ca/lwd/publicsafety/BoilerPressureVesselReview.asp>

Ontario

2008 Notice of Proposal to Adopt New or Revised Occupational Exposure Limits or Listings for 21 Hazardous Chemical Substances

The Ontario Ministry of Labour is seeking input on the proposed adoption of new or revised occupational exposure limits (OELs) or listings for 21 chemical substances. They include:

- Proposed OELs for two substances not previously listed in Ontario regulations.
- Consolidation of four separate listings for aluminum and its compounds into one listing for aluminum metal and insoluble compounds.
- The withdrawal of three listings due to ACGIH's determination of insufficient data to support the OEL.

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- The withdrawal of specific exposure limits for welding fume, not otherwise specified, in accordance with ACGIH practice. Worker exposure to welding fume would be regulated by the OELs for the individual components of the fume along with the OEL for Particles (insoluble or poorly soluble) Not Otherwise Specified.
- Revised exposure limits or listings for another 11 substances.

Source:

http://www.labour.gov.on.ca/english/hs/oels/08_notice.html

Quebec

Nouvel article visant la formation des pontiers (opérateurs de ponts roulants)

Depuis le 19 juin 2008, la formation des opérateurs de pont roulant (pontiers) hors construction est encadré par le règlement sur la santé et sécurité du travail (RSST).

Cette décision émane d'un consensus de la Commission des partenaires du marché du travail, afin de déréglementer le métier d'opérateur de machines électriques. Il y avait par contre la recommandation d'inclure un nouvel article au RSST visant la formation des pontiers.

Ainsi, un nouvel article est ajouté au RSST (254.1) qui précise le contenu de la formation théorique et de la formation pratique que doivent suivre les opérateurs de pont roulant.

Auparavant, la formation des opérateurs de pont roulant était encadrés par :

- Règlements sur les certificats de qualification et sur l'apprentissage en matière d'électricité, de tuyauterie et de mécanique de système de déplacement mécanisé dans les autres secteurs que celui de la construction
- Règlement sur les certificats de qualification et sur l'apprentissage en matière de gaz, de machines fixes et d'appareils sous pression.

Source: [Règlement sur la santé et sécurité du travail \(Publications du Québec\)](#)

Upcoming Events across Canada*

*Where provided to CCOH, information requiring costs and maintenance points are shown. Where such information is not provided, readers are advised to contact course providers for verification.

Alberta

E-A-R- and Peltor Hearing Protection - **E-A-R Hearing Conservation Seminars.**

This outstanding educational opportunity is designed to provide an update and refresher in specific areas of hearing loss prevention practice, including hearing protection selection, fitting, use, and evaluation; audiometric data management; and worker training and motivation, all provided to help reduce hearing loss in the workplace. Elliott Berger and Laurie Wells will be providing the full day educational seminar.

Edmonton, AB

October 20, 2008

<http://www.e-a-r.com/hearingconservation/>

Health & Safety Conference Society of Alberta (HSCSA) - **7th Annual Alberta Health & Safety Conference and Trade Fair**

Shaw Conference Centre

Edmonton, AB

October 27-29, 2008

<http://www.hsconference.com/>

Manitoba

AIHA Manitoba Local Section - **Ventilation Workshop.**

The first day of this collection of seminars and hands-on learning is intended to provide participants with a fundamental review of ventilation principles, and discuss specific applications including lock-out/tag-out, why ventilation systems should be included in your emergency preparedness and response plans. On day two we will learn about the basics of indoor air

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quality (IAQ) evaluation, particulate monitoring including nanoparticles, and monitoring air velocity. CRSP and CIH continuing education points to be determined. AIHA Local Section Members \$325, AIHA Local Section non-members \$350.

Winnipeg, MB

For more information:

Angela.Barratt@gov.mb.ca

Phone: (204) 945-3600

Ontario

ALARA Industrial Hygiene Services Ltd. - Occupational Hygiene Air Sampling Workshop

This course will give participants the practical skills and theory required to conduct reliable air monitoring surveys. Participants will practice with air sampling equipment for personal monitoring, as well as real-time air instruments. 3 CM points awarded by ABIH and CRBOH, 1½ points awarded by BCRSP. \$975 + GST.

Toronto, ON

Sept 24-26, 2008

Contact: Marguerite Pilger

info@alara.ca (416) 759-9579

<http://www.alara.ca/aswnext.html>

ALARA Industrial Hygiene Services Ltd. - Health Hazards of Industrial Chemicals

This course will enable participants to recognize and evaluate workplace chemical hazards; understand the mechanisms of toxicity of industrial chemicals; understand how chemical structure and physical properties determine how a chemical interacts with biological systems and recognize variables that can affect toxicity of industrial chemicals. \$425 + GST.

Toronto, ON

Oct. 24, 2008

Contact: Marguerite Pilger

info@alara.ca (416) 759-9579

<http://www.alara.ca/toxwrkshop.html>

ALARA Industrial Hygiene Services Ltd. - **Indoor Environmental Quality Evaluation Workshop**

This course will provide participants with the practical skills and theoretical knowledge required to conduct meaningful and effective IAQ/IEQ investigations. CRBOH and ABIH award 2 certification / registration maintenance points for attendance. \$813.75+ GST.

Toronto, ON

Nov. 20-21, 2008

Contact: Marguerite Pilger

info@alara.ca (416) 759-9579

<http://www.alara.ca/ieq1.html>

Québec

La programme de formation pour l'AQHSST est disponible sur l'internet à

<http://www.aqhsst.qc.ca/formation.php?id=smenu4>

<http://www.aqhsst.qc.ca/formation.php?id=smenu4>

Les exemples de formation incluent:

- Danger de chutes
- Session préparatoire pour l'examen du CRSP ou du ROH
- Nanotechnologies
- Qualité de l'air
- Et beaucoup des autres formation...

Atlantic Canada

University of New Brunswick- **Ergonomics Coordinator Certificate**

September 2008

42-hr Course is delivered online

Workplace Health and Safety and Compensation Commission (WHSCC) - **WHSCC Health and Safety Conference**

Delta Beausejour, Moncton, NB

October 3-5, 2008

http://www.whscc.nb.ca/hsconference_08_e.htm

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AIHA Atlantic Canada Section - **Fall
Technical Section (Risk Communication by
Dr. Peter Sandman)**

Halifax, NS

October 23, 2008

<http://www.aihaaps.ca/main/main.html>

USA

American Industrial Hygiene Association
(AIHA) - **PCIH 2008**

Tampa Marriott Waterside Hotel & Marina

Tampa, Florida

November 8- 11

<http://www.aiha.org/pcih08/>