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403.527.8887

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Angela Bianco  
403.766.3958

## President's Message ... from the desk of Tracey MacDonald

Time just seems to fly by! It is 2013 and we are already in the process of planning the 2013 Spring PDC and Symposium. Thanks to Yvonne Gazzard and Michelle Kutz for organizing these two sessions.

As part of the symposium, we will also be having our Annual General Meeting. The positions open this year are:

President-Elect  
Treasurer  
Newsletter Editor  
Webmaster

Please consider being nominated for one of these positions; your involvement is critical to the continued success of the Alberta AIHA. It is a great bunch of people; we have fun and there are CM points and free admissions to be had.

We are a volunteer organization committed to providing the IH community with networking and educational opportunities. We would not be able to continue the activities without our volunteers.

I would like to extend a heartfelt thank you to the current executive for the extra work they do to keep our association successful. Your time and talent is what makes the Alberta AIHA a great organization.

Tracey MacDonald

## *2013 PDC AND SYMPOSIUM* **CONTROL BANDING & ENFORM'S CONTROLLING CHEMICAL HAZARDS WEB TOOL**

**Executive Royal Inn, Calgary**  
**March 14 and 15, 2013**

See brochure attached and register online.

<http://www.aiha-ab.com>



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## Calendar of Events

- March 14  
Professional Development Course, Calgary
- March 15  
Spring Symposium & AGM, Calgary
- May 18 - 23  
AIHce 2013, Montreal
- October 21 - 22  
Alberta H&S Conference and Trade Fair, Calgary
- September 28 - October 2  
AIHA Fall Conference, Miami, FL



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### **From the Editor's Quill:**

The Global Harmonized System for classification and labeling of chemicals (GHS) has been adopted in the US and is coming to Canada.

If you are you responsible for writing and updating MSDSs, you may be interested in the Registered Specialist: SDS and Label Author credential. ( <http://www.aiharegistry.org/programs/sdsreg/pages/default2.aspx> )

The application was easy enough, but we've heard that the exam could be a challenge. We have decided to start up a study group. Contact me if you would like to join us and stay tuned for a PDC on the subject.

~ Angela Bianco

[newsletter@aiha-ab.com](mailto:newsletter@aiha-ab.com)

## CAREX in the news - OCRC launches occupational burden of disease study, applies CAREX data

A cross-Canada team of researchers coordinated through the Occupational Cancer Research Centre (OCRC) is applying CAREX data to assess the impact of cancer-causing agents in Canadian workplaces. This four-year national study, the first of its kind in Canada, will estimate the number of new cancer cases and cancer deaths that can be attributed to workplace exposure to 44 known or suspected carcinogens. These include metals and industrial chemicals, as well as factors like shiftwork, sunlight and fumes from paint and diesel. The estimates will help to determine the cost of work-related cancers on the country. Broken down by gender, industry, sector and province, the results will take into account direct costs such as medical care and indirect costs such as time off work.

"At the end of the study we will have solid data which will ultimately help guide policy makers and industry leaders to decide where to change, strengthen or enforce regulations on workplace exposures in order to help prevent workplace-related cancers," explains Dr. Paul Demers, scientific director of CAREX Canada and director of the OCRC. The study, funded by the Canadian Cancer Society and done in collaboration with its Ontario Division, will follow the approach taken in a similar study out of the United Kingdom. To view media coverage about this study and other relevant research, visit the Carcinogens in the News page, a source for the latest articles and reports on the known and suspected carcinogens studied by CAREX.

<http://www.carexcanada.ca/en/announcements/>



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## Award of Recognition

In recognition of members who have contributed to advancing occupational hygiene profession and/or the AB Local Section, we are accepting nominations for the 2013 Award of Recognition (AOR).

Please submit your AOR nomination in writing to Lana Appelt at [secretary@aiha-ab.com](mailto:secretary@aiha-ab.com) by March 8, 2013.

## What's Your Poison?

Which of these substances can be toxic?

- Spider web
- Paper
- Silver
- Cotton

'Spanish fly' was thought to be an aphrodisiac in France, but was also used for:

- Killing weeds
- Abortions
- Sedating amputation patients
- Curing rashes

What is the name of the first 'universal antidote', said to cure all types of poisoning?

- Mithridatium
- Egg whites
- Arnica montana
- Terra Toxidia

What is the origin of the word toxic?

- Afrikaans for 'death'
- Egyptian for 'killing shrewdly'
- Greek for 'bow'
- Sanskrit for 'bitter'

## 2013 AIHA eLearning Subscription

Great news! Our Local Section has renewed the eLearning Subscription package for 2013. As a member listed on the Local Section site roster, you have access to all webinar and book club archives.

Watch your emails for a link to access webinar and book club archives, handout material, final exams, and evaluations.

If you are seeking CM credit for a webinar, you must complete both the final exam and evaluation. The exam processing fee has been waived for eLearning subscribers. Please note that Virtual Book Club discussions do not have an exam or evaluation.

Within 3-4 weeks of completing the exam and evaluation, you will receive email notification of your updated Education Transcript.

The first webinar for 2013 is featured below. Watch for email about a live hosting or catch it at your desk when it is archived in May.

## The New Era of Global Exposure Limit Setting Processes - Harmonization on an OEL Hierarchy Approach

April 11, 2013 | 1:00 - 3:30 PM ET  
Earn up to 2.5 CM Credit Hours | 2.5 Contact  
Hours | .25 COCs (CEUs will not be awarded)

## AIHA-AB Executive Positions Open

Consider  
taking a role  
on the board  
at the  
upcoming AGM.

These positions  
are coming  
vacant in 2012:

President-Elect  
Treasurer  
Newsletter Editor  
Webmaster

Elections will be  
conducted at the  
AGM in Calgary  
on March 15.

Yet another way  
to earn CM points!



# 12th Annual Alberta Health & Safety Conference and Trade Fair

BMO CENTRE  
Cagary, Alberta  
October 21 and 22, 2013

**Register Here:**

<http://www.hsconference.com/Conference-Registration.html>

## Membership Director's Update

By Molly Chen

By Molly Chen

Just a friendly reminder to pay your dues by mailing a cheque, or online at <http://www.aiha-ab.com/membership.php>.

If you move or change jobs, please ensure that you forward your up-to-date contact information to [membership@aiha-ab.com](mailto:membership@aiha-ab.com). The information is for AIHA use only for our newsletters, e-mail distributions as well as the annual Membership Directory.

Molly



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**Looking For Answers?**



## **MARCH 14, 2013 1-DAY PROFESSIONAL DEVELOPMENT COURSE**

### **Control Banding and Enform's Controlling Chemical Hazards Web Tool**

The majority of chemicals in commerce have no established Occupational Exposure Limits (OELs). Without OELs, employers and workers often lack understanding how to control workplace exposures. Control Banding focuses on the control strategy by assessing risk based on chemical characteristics and potential for exposure, rather than directly on workplace concentrations. This 1-day seminar will enable students to:

- Understand Control Banding (CB)
- Recognize the value of a subjective risk assessment tool
- Use the Enform Controlling Chemical Hazards Tool to:
  - Assess hazard
  - Assess risk
  - Determine a control approach

## **MARCH 15, 2013 1-DAY SYMPOSIUM AND AIHA – ALBERTA LOCAL SECTION ANNUAL GENERAL MEETING**

### **WIND TURBINES and HUMAN HEALTH IMPACT**

Presented by: Dr. Ray Copes MD, Chief, Environmental and Occupational Health, Public Health Ontario

### **SIZE SELECTIVE OCCUPATIONAL EXPOSURE LIMITS**

Presented by: Moira Botham M.Eng., CIH, ROH, CRSP Manager, Central Health and Safety, Cenovus  
Occupational Hygienist, Cenovus Energy

### **ALBERTA GOVERNMENT UPDATE - OEL REVIEW**

Presented by: Diane Radnoff, P.Eng., M.Eng., CIH Senior Occupational Hygienist, Alberta Human Services

### **PUTTING THE 'H' BACK IN OHS: TAKE 2**

Presented by: Corinne Parker MBA, Director, Occupational Disease Prevention, Alberta Human Services

**Calgary, Alberta**  
**March 14<sup>th</sup> and 15th, 2013**

**Symposium/AGM Attendees will have the opportunity to win a number of great prizes\*.**

*\*Winner must be in attendance during draw in order to receive prize.*

## DAY 1 – PROFESSIONAL DEVELOPMENT COURSE

Thursday March 14, 2013 (8:00 – 5:00) – Registration/Breakfast (7:30 - 8:00 am)

### CONTROL BANDING AND ENFORM'S CONTROLLING CHEMICAL HAZARDS WEB TOOL

#### **ABOUT THE COURSE**

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The majority of chemicals in commerce have no established Occupational Exposure Limits (OELs). Without OELs employers and workers often lack understanding how to control workplace exposures. Control Banding is a qualitative strategy for assessing and managing hazards of chemical exposures. The concept of Control Banding first establishes hazard groups based on similar toxicological, chemical and physical properties then compares these to standardized workplace parameters resulting in an objective risk assessment.

The focus is on the control strategy and not directly on the workplace concentrations. However to determine the appropriate control strategy it is necessary to consider chemical characteristics based on Risk Phrases (of GHS Hazard Statements) and potential for exposure based on quantity of use and relative dustiness or volatility. There is beauty in the simplicity of many Control Banding models and with minor enhancements can be operated by lay people. Some Control Banding models were developed for Small and Medium sized businesses to enable control of their workplaces.

The results are steered away from standard Low, Medium or High associated risk to a hierarchy of Control Approaches as presented here:

1. Natural ventilation and good occupational hygiene practices of right to know, training, procedures etc. which also may be supplemented by PPE
2. Engineering Controls including Local Exhaust Ventilation
3. Chemical containment.
4. Seeking specialist advice.

Guidance Documents are often developed to provide technical strength to Control Approaches. Guidance Documents typically are 2-3 pages with direct and succinct advice applicable for the situation. Task specific Guidance Documents are especially helpful to workers, supervisors and employers.

The presenters of this course were all instrumental in the development of the Enform Controlling Chemical Hazards. This process was based on the International Labour Organizations Chemical Control Toolkit. There are 53 Guidance documents available which act as industry reference standards for controlling chemical hazards.

The Enform Controlling Chemical Hazards documented process is free for download. A web-based interactive tool is also available where chemical information can be entered along with quantities and relative dustiness and a risk will be analyzed and results conveyed in Control Approaches and appropriate Guidance Documents provided for download. Students are suggested to access these document and web-tool from [www.enform.ca](http://www.enform.ca) and search for Chemical Hazards.

#### **ABOUT THE INSTRUCTORS**

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**Corinne Paul MSc., CRSP, CRM** is a Program Manager with the Industry Development team at Enform, the safety association for Canada's upstream oil and gas industry. She is a registered safety professional and risk manager with over 15 year's health and safety experience.

**Michael (Mike) Phibbs CIH, ROH, MBA** is a consultant with 30 years industrial hygiene experience in resource industries at the plant/field, division, corporate and independent advisor roles. Mike had used several innovative value added tools to help in risk assessment within the MSDS management system he developed. He used these as reference points when approached by Enform with a related issue and developed a tool based upon the International Labor Organization's Chemical Control Toolkit but with several twists to enhance ease of use and introduction of other issues.

**Dan Clarke MHSoc CIH ROH** is a seasoned leader of many campaigns aimed at reducing injury and illness in the workplace. He currently runs Clarke Consultants where he is dedicated to "helping make work environments safe". and focuses on 'simple solutions to complex problems'.

## DAY 2 – SYMPOSIUM AND AGM

Friday March 15, 2013 (7:30 – 4:30)

### SYMPOSIUM SCHEDULE

7:30 am – 8:00 am		Continental Breakfast and Registration
8:00 am – 8:15 am	Exhibits Open	Welcome and Opening Remarks
8:30 am – 10:00 am		<b>Wind Turbines: Human Health Impact</b>
10:00 am – 10:30 am		Morning Break
10:30 am – 12:00 am		<b>Size Selective Occupational Exposure Limits</b>
12:00 pm – 1:00 pm		Lunch
1:00 pm – 2:00 pm		<b>Annual General Meeting</b>
2:00 pm – 2:30 pm		<b>Update on Alberta OEL Review</b>
2:30 pm – 3:00 pm		Afternoon Break
3:00 pm – 4:15 pm		<b>Putting the ‘H’ Back in OHS: Take 2</b>
4:15 pm – 4:30 pm		<b>Closing Comments</b>

### WIND TURBINES: HUMAN HEALTH IMPACT

Current state of knowledge on human health and annoyance impacts of wind turbines. Direct and indirect impact will be reviewed, along with an overview of injury risk, EMF, and blade flicker. Introduction of factors that are predictors of annoyance and complaints about wind turbines, as well as factors related to successful versus unsuccessful implementation.

### ABOUT THE INSTRUCTOR

**Dr. Ray Copes MD** - Chief, Environmental and Occupational Health, Public Health Ontario. Dr. Copes is also extensively involved in teaching physicians and graduate students in environmental and occupational health and currently holds appointments as Associate Professor at the University of Toronto and Clinical Professor at the University of British Columbia.

After completing undergraduate degrees in psychology and biosciences at Simon Fraser University, Ray received his medical degree from McGill University. He also obtained a Master of Science from McGill and has a Diploma in Industrial Health from the University of Toronto. Ray is a fellow of the Canadian College of Family Physicians and the Canadian Board of Occupational Medicine.

Dr. Copes has over 25 years experience working in environmental and occupational health in Alberta, British Columbia and Ontario; as well as having done consulting work for Health Canada and the governments of Newfoundland and Labrador, Nunavut and Saskatchewan. Ray has worked extensively with front-line environmental professionals as well as policy makers and practitioners on provincial and federal levels; he also has experience delivering occupational health services in private and public sectors and in occupational health and safety regulation. Ray was the founding scientific director of the National Collaborating Centre for Environmental Health, as well as the director of environmental health services at the British Columbia Centre for Disease Control.



## **SIZE SELECTIVE OCCUPATIONAL EXPOSURE LIMITS**

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As occupational hygienists, we routinely rely on occupational exposure limits (OELs) to provide a basis for evaluating exposure data. Most of us will use at least two references for these limits: the OELs from the Alberta Occupational Health and Safety Code and the Threshold Limit Values (TLVs) published by the American Conference of Governmental Industrial Hygienists. When it comes to evaluation of particulate and aerosol contaminants, these numbers are becoming increasingly different.

In a large part, these differences result from a move by ACGIH towards size-selective limits. Adopting size-selective limits appears to be a good approach. From a toxicological perspective, the concept that biological effect will be influenced by the size of an inhaled particulate is logical. The size of a particulate will, to a large extent, determine where that particulate will deposit, and effects will be exerted most strongly in the area of deposition. For most systemic effects, we expect that the particulate would be 'respirable' or sufficiently small to penetrate to the alveolar region of the lung.

None of this is new; but the question remains about how we should move towards adoption of size-selective limits. Is it sufficient to simply replace a total particulate limit with an inhalable limit? Should we wait until sufficient studies have been conducted to either derive a relationship between total particulate and inhalable particulate? Do we need to have results from studies specifically developed to evaluate specific ranges of particulate sizes and their effects? How do we advise our clients or employers regarding these limits?

In this session, we will provide a brief review of particulate size fractions and explore how moving towards size-selective limits for evaluation of exposure data can affect the margin of safety provided. You will leave with a greater understanding of the issues surrounding particulate exposure limits and be better positioned to critically evaluate particulate exposure data.

### **ABOUT THE INSTRUCTOR**

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**Moira Botham - M.Eng., CIH, ROH, CRSP** *Manager, Central Health and Safety, Cenovus Energy*

Ms Botham has over 20 years of experience in Environment, Health & Safety / Industrial Hygiene across mining, manufacturing and oil & gas sectors. She currently leads the central Health & Safety team at Cenovus Energy, Canada's fourth largest oil & gas producer.

Moira is the past president of the AIHA Alberta local section, currently serving as the local section representative on the Alberta Occupational Exposure Limit review committee. She is also the current chair of Canadian Association of Petroleum Producers (CAPP) Industrial Hygiene committee.

Moira has a Masters' degree in Chemical Engineering and a Bachelors' degree in Physics & Biology from the University of Toronto, and a Environmental Technology certificate from Mount Royal University in Calgary.

### **ALBERTA OEL REVIEW UPDATE**

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Update of recently concluded Alberta OEL review.

### **ABOUT THE INSTRUCTOR**

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**Diane Radnoff, P.Eng., M.Eng., CIH** *Senior Occupational Hygienist OHS Policy and Program Development Branch Alberta Human Services* - Diane is a Chemical Engineer and Industrial Hygienist. She obtained her Bachelor of Science in Chemical Engineering from Queen's University in Kingston, Ontario and her Masters of Engineering in Industrial Hygiene from the University of Toronto.

Ms. Radnoff has had extensive experience in both the environmental and occupational health and safety fields. Her first position was with Environment Canada, developing and testing innovative environmental remediation technology for spill clean-up. She worked for over 15 years in the consulting field, specializing in assessment of environmental and health and safety issues and the development and implementation of environmental remediation at industrial, residential, commercial and First Nation sites.

## **PUTTING THE 'H' BACK IN OHS: TAKE 2**

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A few years ago Alberta Occupational Health and Safety recognized the need to establish a unit aimed at preventing occupational disease and illness in the workplace. Since then a multi-talented team of individuals have joined the Occupational Disease Prevention section and have begun implementing some of the foundational work required in order to make significant and lasting change within Alberta to ensure that workers have a *safe, fair and healthy workplace*. This presentation will provide an overview of the new section as well as the exciting new projects that are currently underway and plans for the future.

## **ABOUT THE INSTRUCTOR**

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**Corinne Parker MBA**, Director, Occupational Disease Prevention, Alberta Human Services - Corinne joined the Government of Alberta (GOA) in August, 2011 to develop and lead the newly formed Occupational Disease Prevention section. Before joining the GOA Corinne established the Occupational and Environmental Carcinogen unit for the Alberta Cancer Board/Alberta Health Services, where she led the National Skin Cancer Prevention committee and actively participated on the National Committee for Environmental and Occupational Exposures. Over the past few years Corinne has spearheaded the National report on the Economic Burden of Skin Cancer in Canada, the Economic Burden of Occupational Disease in Alberta, launched the coalition to prevent 18 years and under access to artificial tanning in Alberta and been the co-Investigator for the Cancer Prevention Benefit Study. Corinne is recognized for her collaboration skills and ongoing passion to prevent chronic disease.

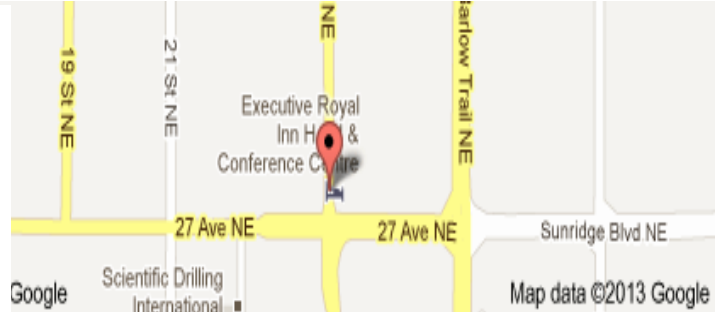
## **FACILITY AND HOTEL INFORMATION**

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**The hotel is offering a discounted room rate of \$139.00 for conference attendees. Please refer to Alberta AIHA conference when booking. Please call the hotel directly.**

***Free Airport Shuttle Service Available***

Food (breakfast, lunch and snacks) and beverages (coffee, tea, juice, pop) are included in the registration fee.

## REGISTRATION AND PAYMENT

<b>Name:</b>		<b>Title:</b>	
<b>Organization:</b>			
<b>Address:</b>			
<b>Phone:</b>		<b>Fax:</b>	
<b>E-mail:</b>			

Check applicable boxes.

PDC (Thursday March 14, 2012)	Symposium and AGM (Friday March 15, 2012)	Attend Both Days (Discounted Rate)
<input type="checkbox"/> Local Section Member (\$ 275.00)	<input type="checkbox"/> Local Section Member (\$ 125.00)	<input type="checkbox"/> Local Section Member (\$ 350.00)
<input type="checkbox"/> Non-member (\$ 315.00)	<input type="checkbox"/> Non-member (\$ 150.00)	<input type="checkbox"/> Non-member (\$ 415.00)
<input type="checkbox"/> Student (\$250.00)	<input type="checkbox"/> Student (\$100.00)	<input type="checkbox"/> Student (\$300.00)

<p><b>If paying by Cheque: Send Completed Registration Form and Cheque payable to:</b></p>	<p><b>AIHA – Alberta Section</b>  <b>C/O Yvonne Gazzard</b>  <b>240-4 Avenue Sw</b>  <b>Calgary, AB</b>  <b>T2P 2H8</b>  <b>Tel. (403) 233-1275</b>  <b>E-mail: yvonne.gazzard@bp.com</b></p>
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To Register and Pay On-line visit <http://www.aiha-ab.com/>  
 You will be charged an additional processing fee of 7% for online payments.

**REGISTRATION DEADLINE: March 7, 2013**

**THANKS TO OUR SPONSORS – SEE YOU THERE!**