



**An Introduction to the Safety Culture Improvement
Process
&
Principles of OH&S in 18 Keywords
It's Application to Marine Hot Work
(Shipyards & Offshore)**

At
Westin Nova Scotian
Halifax, NS

Thursday, November 25th, 2010

The Atlantic Provinces Section of the AIHA is pleased to announce its upcoming Fall 2010 Workshop. We will be having two sessions.

- 1: Principles of OH&S in 18 Keywords.
It's Application to Marine Hot Work (Shipyards & Offshore)
Clive MacGregor**
- 2: An Introduction to the Safety Culture Improvement Process
Dr. Mark Fleming**

**1: Clive MacGregor: Principles of OH&S in 18 Keywords And
It's Application to Marine Hot Work (Shipyards & Offshore)**

The presentation is in two parts as follows:

The 18 Keywords to Understand and Apply Principles of Occupational Health and Safety

- Find out the difference between hazard and risk.
- Why 40% of your OH&S time for new jobs should be on hazard identification.
- Why is evaluation more than just testing the atmosphere with meters?
- The control hierarchy, why does it matter.
- Communication, more than just the safe work process.

These principles will then be applied to Hot Work in the Marine, Offshore Operations and Petrochemical Facilities, but processes are similar to those of other heavy industries.

- Why flash point and vapour density are critical.
- The prime three ways to die in shipyards/offshore under improper Hot Work approvals.
- The critical parameters for Hot Work hazard evaluation, a matrix.
- Control processes most effective in heavy industry and how to effectively apply OH&S principles.

- Who is responsible for what, safety versus production?

These presentations are about 1 hour generally preceded by a 15-20 minute video of relevance. The overhead slides will be presented as the workbook for the technical session and several websites of use will be identified.

Academic Qualifications

B.Sc. Honours Chemistry and Physics, Queens University, 1971
 M.Sc., Chemical Oceanography, Dalhousie University, 1975
 Approved Marine Chemist (per Transport Canada MOSH), 1985
 Registered Occupational Hygienist #498 (CRBOH), 1998

Work Experience

MacGregor & Associates (2004 - ongoing)

- Senior consultant providing project management and specialist advise for occupational hygiene (primarily chemistry, physical and management systems) and environmental chemistry to industry and government.

Seatech Limited (2001 - 2004)

- Senior consultant and manager for offshore and industrial services. Managed \$500,000/yr offshore discharge monitoring project as one of over 20 projects in environmental and occupational hygiene services.

Seatech Limited (1980 - 2001)

- President for an ISO 9000 registered and CAEAL/SCC accredited company of 20 staff and \$1.6 million revenue 2001. The company provided services in: offshore discharge monitoring, marine chemist tank inspections, occupational hygiene, specialty chemical assessments and laboratory testing. Managed over 100 industry/government projects in Canada and overseas.

Martec Limited (1975 - 1980)

- Project manager for chemical oceanography, environmental chemistry and specialty chemical studies for industry and government.

Professional activities: Member CSA technical subcommittees; Z7396 Medical Gas Piping, Z180.1 Breathing Air Systems, Z94.4 Selection and Care of Respirators; Treasurer Canadian Council Occupational Hygiene, Treasurer Atlantic Provinces Section AIHA.

2: **DR. Mark Fleming is: An introduction to the Safety Culture Improvement Process**

By the end of the session participants should understand:

- the relationship between culture and safety
- safety culture measurement options
- systems supporting a positive culture
- how the safety culture improvement process can be used to drive improvement

Mark Fleming MA, MSc, Ph.D

Dr. Mark Fleming is an Associate Professor in the Department of Psychology at Saint Mary's University. He received his Bachelor's in Psychology and Master's in Human Factors from Aberdeen University and his PhD in Psychology from The Robert Gordon University in Scotland. Mark is an applied psychologist with nearly 20 years of experience in industrial health and safety management in high hazard industries including the offshore oil and gas, petrochemical, power generation and construction. He is dedicated to developing

practical and valid tools to assist organisations to prevent occupational injury and disease.

He was one of the founding members and former Director of the CN Centre for Occupational Health and Safety, a centre of research excellence at Saint Mary's University.

Currently, Dr. Fleming's research includes investigating methods for measuring and improving safety culture, safety motivation, safety leadership and aviation safety.

This workshop will be of interest to Occupational Hygienists, Safety Professionals, Facility Managers, Architects, Engineers, Public Health Inspectors, Environmental Health Consultants and Occupational Health and Safety Consultants.

Cost: Member: \$160 per person
 Non-Member: \$185 per person
 Student: \$50 per person

The cost also includes a printed copy of the book "Construction Chart Book – the U.S. Construction Industry and its Workers" by the Center for Construction Research and Training.

Date:

Where:

Session Schedule:

07:30 to 08:00	Registration (on site)
08:00 to 10:00	Session 1/A
10:00 to 10:15	Nutrition Break
10:15 to 12:00	Session 1/B
12:00 to 13:00	Lunch (provided)
13:00 to 14:30	Session 2
14:30 to 14:45	Nutrition break
14:45 to 16:30	Conclusion Session 2
16:30 to 17:00	Questions/Wrap up

Note: A general membership meeting will be held in conjunction with the seminar. The time and location will be announced at a later date. All AIHA-APS members are welcome to attend.



The AIHA Mission

AIHA promotes, protects, and enhances industrial hygienists and other occupational health, safety and environmental professionals in their efforts to improve the health and well being of workers, the community, and the environment.

The AIHA Vision

To be a recognized worldwide leader in promoting excellence in occupational and environmental health and safety.

Core Values

- Prevention of occupational disease and injury is the foundation of our profession
- The right of workers and the community to a healthy and safe environment
- Active collaboration among allied OHSE professionals is essential
- The anticipation, recognition, evaluation and control of hazards arising from the workplace
- A sound scientific basis for action and policy development
- That good business and good occupational health and safety are linked
- Respect for diversity of opinion and open communication
- Consideration of the time commitment we require from our volunteers

AIHA - Atlantic Provinces Section

The AIHA - Atlantic Provinces Section is comprised of Industrial Hygienists and other occupational health and safety professionals and people who are interested in occupational and environmental health and safety. Members come primarily from the four Atlantic Provinces with a few members from other provinces. Our section was formed on April 14, 1989. It provides an opportunity for networking and professional development amongst the industrial hygiene community in the Atlantic Provinces that was, and is, thinly dispersed over a large geographic area. Formation of the local section also provided an opportunity for outreach and education to promote occupational health and safety and the industrial hygiene profession. For more information visit our website at <http://www.aihaaps.ca>