



**Canadian Society for
Chemical Engineering
(CSChE) – Edmonton Section**

**American Institute of
Chemical Engineers
(AIChE) – Alberta Chapter**

Upstream Oil and Gas – Fugitives and Vents

June 28, 2006

University of Alberta, Edmonton, Alberta



Upstream Oil and Gas Fugitives and Vents

– This 1 day course discusses key issues and solutions, related to “fugitive” emissions and vents in the upstream oil and gas industry. Methane in these emissions constitutes over 50% of the GHG emissions attributed to oil and gas production, and almost 7% of Canada’s emissions. Most are economic to reduce, as unlike other GHGs, methane has an economic value, along with a high Global Warming Potential.

Who Should Attend? Engineers, environmentalists, scientists and suppliers working in the upstream oil and gas industry.

Certificates of completion will be issued. These can be used for professional development hours (8 PDHs).

Class times. Classes will run 8:30 am – 5:00 pm.

Workshop Topics:

- Definitions of fugitives and vents
- Latest estimates of fugitives and vents from operations
- Economic factors impacting mitigation
- Issues with measurement and quantification
- Conventional heavy oil vent mitigation
- Oil and gas production facility vent mitigation
- Compressor and gas plant facility fugitive mitigation
- Future trends in fugitive and vents
- Strategies for reduction of vents, fugitives and energy use
- Support available

June 28, 2006

**U of A Campus,
Room - ETLE 1-008 in the Engineering Teaching
and Learning Centre (ETL)**
<http://www.campusmap.ualberta.ca>

Fees:

CSChE/AIChE/CIC members - \$300

Non-Members - \$350

Discount of 10% (multiple registrants)

Students - \$100

Registration Form – www.chemeng.ca/profdev

About the Course Leader:

Bruce Peachey, the instructor for this course, obtained his BSc in Chemical Engineering in 1976 at the University of Saskatchewan, in Saskatoon. He worked for Imperial Oil Limited for fifteen, in various assignments in conventional and thermal heavy oil operations, in Calgary, Cold Lake and the Battle River Area. In 1991, he left Imperial, and formed New Paradigm Engineering Ltd, in Edmonton. New Paradigm has taken on many projects related to reducing methane emissions, improving energy efficiency and water management in the upstream oil and gas sector in Western Canada.

Bruce is a registered professional engineer in Alberta, was a founding Board member of the Petroleum Technology Alliance Canada (PTAC), as well as being a member of the CSChE Edmonton Section Executive since 1994. He is also a member of Society of Petroleum Engineers (SPE), Petroleum Society of CIM, Canadian Heavy Oil Association, and a provisional member of the American Academy of Forensic Sciences (AAFS). For more information see website: www.newparadigm.ab.ca

Course Proceeds: Course proceeds, after costs, are used to support Local CSChE and AIChE activities, CSChE Edmonton Section support to CSChE Chemical Engineering Student scholarships, and U of A ChESS club activities.

Understanding Natural Gas Hydrates

June 28, 2006, University of Alberta, Edmonton, Alberta

Registration Form

Discount

Registration covers all program materials, refreshments during breaks and lunch but excludes accommodation. For organizations sending more than one participant, a 10% discount to the fee applies to the second and subsequent registrations.

Cancellations

To cancel you must send your request in writing to our office.

Fifteen or more business days in advance: full refund less \$50 administration charge.

In case of unexpected event occurring after this time you may send someone else to take your place without any additional cost. The CSChE reserves the right to change the date or location of its events. The CSChE's responsibility will under no circumstances exceed the amount of the collected fee.

Contact Information

Registration:

Michelle Moulton
The Chemical Institute of Canada
Toll-free 1-888-542-2242
E-mail: profdev@cheminst.ca
www.cheminst.ca/profdev

Mail or fax completed form with payment to:
CSChE/Industrial Energy Management
for Professional Development
130 Slater Street, Suite 550,
Ottawa, Ontario K1P 6E2
Tel. (613) 232-6252
Fax (613) 232-5862

Local Section/Technical Contact:

Bruce Peachey, P.Eng. MCIC
CSChE Edmonton Section Treasurer
C/o New Paradigm Engineering Ltd
E-mail: bruce@newparadigm.ab.ca
Tel: (780) 448-9195

Yes, register me now for:

- o **Upstream Oil and Gas – Fugitives and Vents**

Please list additional names on separate copies made from this registration form.

Name: _____

Position: _____

Company/organization: _____

Nature of business: _____

Address: _____

City: _____ Prov: _____ Postal code: _____

Tel. (business) _____ (residence) _____

Please provide both business and residence telephone numbers in case of changes.

Fax: _____ E-mail: _____

Tax information:

If you are tax-exempt, enter your tax-exempt number in the space below and attach a copy of your tax-exempt certificate.

Exempt no. _____

Payment method

Payment must be received before course start date. Registration fees are \$300 for CSChE/AIChE/CIC members, \$350 for non-members, and \$100 for students, plus 7% GST.

Membership no.: _____ Organization: _____

Tuition (CDN funds) \$ _____

Plus 7% GST (GST no. 108076431) \$ _____

Total amount due \$ _____

Charge to: MasterCard VISA Amex

Card Number _____ Expiry date _____

Cardholder's Name _____

Authorized signature _____

Certified/company cheque or money order no. _____

Payable to The Chemical Institute of Canada