

TROUBLESHOOTING INDUSTRIAL

AIR

EMISSIONS COMPLIANCE

Wednesday

**OCT.
27
2004**

Toronto

*Board of Trade Airport Centre
830 Dixon Road,
Etobicoke, Ontario*

The essential course on how to comply with new air approvals requirements, new industrial emissions caps and stringent noise, odour and emissions limits

Read, register and route to:

- ✓ **Senior Management**
- ✓ **Corporate counsel**
- ✓ **Environmental Managers**
- ✓ **Environmental Lawyers**
- ✓ **Plant Managers**
- ✓ **Facilities Managers**
- ✓ **QA and inspection staff**
- ✓ **Environmental consultants**
- ✓ **Technical staff in any industry or institution discharging any greenhouse or other gases into the atmosphere, particularly:**
 - ✓ **process industries**
 - ✓ **power generators**
 - ✓ **manufacturers**
 - ✓ **municipalities**
 - ✓ **colleges & universities**
 - ✓ **hospitals**
 - ✓ **government offices**

AIR EMISSIONS COMPLIANCE is becoming more comprehensive and more complex. Regulators are ratcheting up enforcement and compliance reporting requirements.

Ontario's aggressive Clean Air Plan will include emissions caps on smog precursors from major industrial sources, new emissions limits on a wide range of industrial emissions, and stringent new limits on odour impacts.

In addition, Ontario's MOE plans to revamp Air Regulation 346 to introduce new US EPA dispersion models that may affect your existing compliance status, and will require every air certificate of approval holder to maintain an updated Emissions Summary Dispersion Modeling Report (ESDM)!

Now in one information-packed day, you can make sure your operations remain ahead of the compliance curve. You will:

- ✓ Get an overview of the new regulatory regime and trends governing air emissions;
- ✓ Discover practical engineering solutions to your air, noise and odour compliance concerns;
- ✓ Understand the mechanics and strategies of reporting; and
- ✓ Learn when and how to negotiate with the ministry.

AIR

Now in its 6th year! Canada's leading Air Emissions Compliance Course, featuring compliance experts from Willms & Shier, Environmental Lawyers LLP, and air quality specialists from Rowan Williams Davies & Irwin (RWDI) leaders in emissions measurement and modelling technology

EMISSIONS COMPLIANCE

THE FACTS:

Air compliance becoming more comprehensive, more complex

AIR COMPLIANCE is becoming more comprehensive, more complex and more demanding.

Even as industry and institutions have to understand and meet new standards and regulations, regulators are ratcheting up enforcement measures and compliance reporting.

In Ontario, the Certificate of Approval requirements are being upgraded. MOE is phasing in site-wide certificate requirements that require sophisticated emissions modeling and risk analysis. New Update Protocols mean that existing certificates will be subject to government review, potentially imposing new limits and requiring new approvals for unapproved sources.

New E2 federal regulations will require Environmental Emergency Plans and reporting.

NPRI and the new O. Reg. 127/01 require emissions reporting for hundreds of substances, including greenhouse gases and smog precursors.

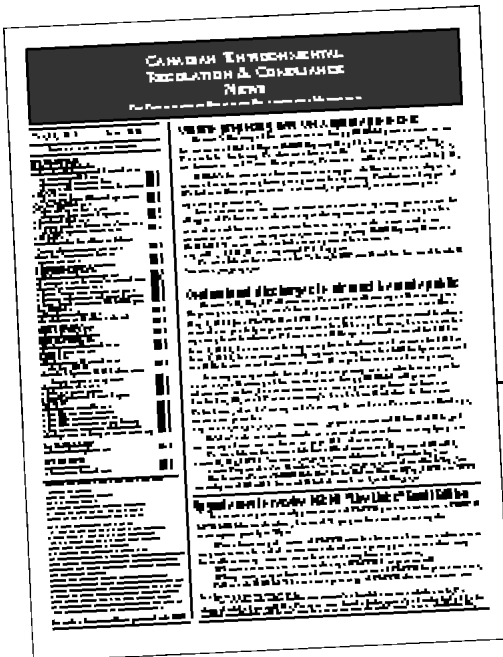
To comply, your monitoring must have started now. The responsibility is yours, and if something goes wrong the liability may be yours too. Now, in one information-packed,

solution-oriented day you can gain the know-how and the tools to make sure your operations meet current and future compliance and reporting requirements.

9 solid reasons why you must attend this course

Register for this essential environmental compliance course and you will:

- 1 Get an overview of the new regulatory regime and trends governing air emissions;
- 2 See how the new Ontario regulation fits into the larger regulatory regime – everything from air approvals to NPRI reporting, monitoring protocols; dispersion modelling and enforcement;
- 3 Discover practical and cost-effective engineering solutions to your air, noise and odour compliance concerns;
- 4 Understand the mechanics and strategies of reporting;
- 5 Learn how you can benefit by keeping ahead of the compliance curve;
- 6 Learn how to negotiate with the ministry;
- 7 Demonstrate on-going training in environmental compliance to update your skill-set;
- 8 Take home a comprehensive 500+ page portfolio of useful reference materials, including regulatory texts and ministry compliance guides
- 9 Earn a handsome *Certificate of Participation*, a great addition to your personnel file and proof positive of your organization's commitment to environmental due diligence!



THE SPONSORS: CANADIAN ENVIRONMENTAL REGULATION & COMPLIANCE NEWS

This essential environmental compliance course is sponsored by *Canadian Environmental Regulation & Compliance News* – Canada's leading publication on environmental regulation and compliance. *Canadian Environmental Regulation & Compliance News* is published by compliance information specialists at Templegate Information Services Inc. Templegate runs specialized courses for environmental managers and professionals throughout the year. In addition, Templegate publishes other specialist periodicals including: *Workplace Environment Health & Safety Reporter*. To subscribe, obtain a sample publication or for more information, call (416)920-0768 or email your request to templegate@rogers.com

THE PROGRAM:

Morning: Changing Legal and Approvals Framework

8:00 am onwards: Registration Desk and Continental Breakfast

9:00 to 9:10 am: *Introductions & course logistics*

Chair: Doug Petrie, Willms & Shier Environmental Lawyers

9:10 to 9:40 am **Compliance: Regulatory Framework Update**

- Carolyn Shaw, Environmental Lawyer, Willms & Shier Environmental Lawyers LLP

- Laws, regulations and guidelines
- Government jurisdiction: who administers, who enforces
- Reporting obligations - EPA discharges and Reg.346 upsets
- Due diligence - what it means, why it is vital

9:40 - 10:10 am **New and Emerging Regulatory Initiatives – Overview**

- Barry Spiegel, Environmental Lawyer, Willms & Shier Environmental Lawyers LLP

- Industry smog reduction regulations and caps
- New emission and odour standards
- New air dispersion models
- What if you cannot comply? Risk-based exemption proposal

10:10 - 10:40 am **Changes to Certificate of Approval Rules**

- Ben Coulson, M.A. Sc., P.Eng., - Air Quality / Noise Specialist- RWDI

- Equipment specific and site wide Approvals
- Flexible/Comprehensive Certificates of Approval
- Where and when flexible approvals work
- MOE Approval Update Protocols

10:40 - 11:00 am *Morning Break*

11:00 - 11:30 am **Emission Inventory – “The Key Step”**

- Brian Sulley, B.A. Sc., Chemical Process Coordinator -RWDI

- Mandatory ESDM proposals for all air certificates
- ESDM format and rules
- MOE STAC requirements
- Practical problems and tips

11:30 - 12:00 pm **New Air Dispersion Models and Compliance**

- Ben Coulson, M.A. Sc., P.Eng., - Air Quality / Noise Specialist- RWDI

- MOE phase-in of new models
- Proposed US EPA models – comparisons and contrasts
- Using the right model – benefits and pitfalls
- Potential economic impacts

12:00 - 1:00 pm *Luncheon*

Afternoon: Approval, Compliance and Enforcement Challenges

1:00 - 1:30 pm **Adverse Effects! Liability and Air Emissions**

- Doug Petrie, Partner - Willms & Shier Environmental Lawyers LLP

- Civil and regulatory liability
- includes health, environmental
- Nuisance as a Significant Liability Problem

1:30 - 2:00 pm **Urgent Issues – Odour**

- Mark Vanderheyden, M.Eng., P. Eng., Principal, Air Quality Specialist-RWDI

- Odour and adverse effect – a new battleground
- Problems with MOE proposed 1 odour unit limit
- Odour modelling issues
- Complaint and community relations strategies

2:00 - 2:30 pm **Urgent Issues – Dust**

- Scott Penton, B.A.Sc., P.Eng. – Air Quality/ Noise Specialist -RWDI

- Assessing fugitive dust emission now that fine particulate matter is ‘toxic’ under federal law
- Standards, adverse effects

2:30 - 2:50 pm *Afternoon Break*

2:50 - 3:20 pm **Urgent Issues – Noise**

- Scott Penton, B.A.Sc., P.Eng. – Air Quality/ Noise Specialist -RWDI

- New focus on noise – now a part of every approval
- Complying with rigorous noise study requirements for comprehensive approvals

3:20 - 3:50 pm **Air Emissions: Information Management**

- Barry Spiegel, Environmental Lawyer, Willms & Shier Environmental Lawyers LLP

- Confidentiality and privilege
- Access to Information laws and information filed with government
- C of A and process data recording and reporting
- Reporting excess emissions, upsets etc. under Reg. 346
- Maintaining consistency across all regulatory and voluntary filings
- Documenting due diligence

3:50 - 4:20 pm **Prosecution and Enforcement**

- Doug Petrie, Partner - Willms & Shier Environmental Lawyers LLP

- Challenging MOE Provincial Officer and Director Orders
- Defending prosecution
- Search, seizure and your rights in the post-INCO era

4:20 - 5:00 pm **Expert Forum: Summary and Q & A**

Ensure worry-free compliance by attending Canada's leading Air Emissions compliance course!

THE EXPERTISE:

Chair:

P. Douglas Petrie LL.B., M.E.S., B.E.S. (Hons.) is an environmental lawyer and partner with the firm of **Willms & Shier Environmental Lawyers LLP** where he provides due diligence, environmental management and environmental approval advice and representation to industry and municipal corporations.

Faculty (alphabetical order):

Benjamin J. Coulson, P.Eng. is a Technical Coordinator at **RWDI** specializing in air quality, environmental noise and acoustics issues. He has conducted numerous regulatory compliance projects for the following industry sectors: power generation; manufacturing; health care; and transportation.

Scott Penton P.Eng is an Environmental Noise Specialist at **RWDI**, and has wide experience in conducting Environmental Noise Impact Assessments.

Carolyn Shaw, B. Sc., LL.B. is an environmental lawyer at **Willms & Shier Environmental Lawyers LLP**, where she advises companies and municipalities on environmental compliance and contamination issues, and litigates environmental claims.

Barry Nelson Spiegel, B.A., LL.B is an environmental lawyer and Director of Research, Professional Development and Marketing at Willms & Shier, Environmental Lawyers LLP. Barry's practice focuses on compliance with environmental laws, regulations and policies.

Brian Sulley, BA.Sc., is a Technical Coordinator at RWDI. His previous experience includes studies on power plant emissions and emissions regulations for dieselgenerating stations. He has completed quantitative hazard assessments of liquid sulphur dioxide, anhydrous hydrogen chloride, and ethylene oxide storage and transfer facilities. He is currently involved in air quality assessments for the chemical process industry.

Mark Vanderheyden, M.Eng., P.Eng. is a Specialist/Principal with **RWDI**'s air quality team. Mark has coordinated a large number of major air quality projects involving numerical modelling, exhaust dispersion, and fluid modelling of vehicular emissions.

**Space is limited:
Register Now!**

TROUBLESHOOTING INDUSTRIAL

Oct. 27

Toronto Board of Trade Airport Centre,
830 Dixon Road, Etobicoke, Ontario

AIR EMISSIONS COMPLIANCE

To register: Complete and mail the Registration Form (below) with your payment today. Cheques should be made payable to: *Templegate Information Services Inc.* (GST # 130277288) and addressed to: **Templegate Information Services Inc., 131 Bloor Street West, Ste 200-206, Toronto, Ontario, Canada M5S 1R8.** You may reserve your place by calling (416)920-0768 or by faxing the completed Registration Form to (416)920-0620.

Cancellations and Substitutions: Refunds will be given for cancellations received in writing 20 days prior to the course date. Refunds cannot be given after this time. Delegate substitution is permitted at all times. Please note, if you register for the course and do not attend, you are liable for the full registration fee, unless you cancel within the time period stated above. Note that Templegate Information Services Inc. reserves the right to change program content or substitute speakers if circumstances require, without further notice and assumes no liability for these changes.

Discounts: There are generous discounts for multiple registrations (see order form below). Also, sign up now for our companion courses on
 Environmental Regulation & Compliance 2004 - Update and Overview (Oct.25), and
 Environmental Inspections & Investigations (Oct.26)
at the same location and receive an additional \$100 discount off each additional first registration!

Materials and Certificates of attendance: Each participant will receive a binder presentation and reference materials as well as a handsome Certificate of Attendance.

\$100 SIGNING BONUS

Companion courses on Oct. 25th & Oct. 26th

First registrants for the **Troubleshooting AIR Emissions Compliance** course offered in this brochure who also wish to attend our companion courses at the same venue on:

- Environmental Regulation & Compliance 2004 - Update and Overview** (Oct.25), and
- Environmental Inspections & Investigations** (Oct.26)

receive a **\$100 discount** off the cost of registering for each subsequent course.

To receive more information on companion courses, call (416)920-0768 today.

Troubleshooting Industrial AIR Emissions Compliance PRIORITY REGISTRATION FORM

✓ YES!

 Register me/us for:

Signing Bonus: Register now for this course and receive a \$100 Signing Bonus* when you also register for one or both companion courses on Oct. 25 and Oct. 26. (* Bonus applies to 1st registrants only)

Troubleshooting Industrial AIR Emissions Compliance
ONE DAY ONLY, Oct. 27 at: The Airport Club, Metro Toronto Board of Trade, 830 Dixon Road, Etobicoke, Ont. Canada

Registrant #1 @ \$595 (+7%GST) ± Registrant #2 @ \$565 (+7%GST) ± Registrant #3 @ \$535 (+7%GST)

Name(s).....

Job title:.....

I have enclosed cheque for \$..... + GST(@7%) = \$..... payable to: **Templegate Information Services Inc.**

I wish to pay by VISA/ MASTERCARD: Card #...../...../...../.....

Card Holder's Name: Date of Expiry

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Please mail the completed Registration Form, along with payment, to: Templegate Information Services Inc., Ste.200-206, 131 Bloor Street West, Toronto, ON, Canada M5S 1R8. Fax to our Order Desk at (416)920-0620 to secure early registration. To register by phone, or for more information, call (416)920-0768. Photocopy form if necessary for multiple registrations.

ATTN. MAILROOM: If undeliverable to addressee, please forward to: MANAGER, ENVIRONMENTCOMPLIANCE

Name of (first) registrant:.....
Position:
Company/Organization:
Address:
City:Prov/State: Post/Zip Code:

