

TROUBLESHOOTING INDUSTRIAL

AIR

EMISSIONS COMPLIANCE

UNDER ONTARIO'S NEW AIR REGIME

The essential course on how to comply with the new Regulation 419, new approvals requirements, new emissions caps and stringent noise, odour, and dust emissions limits

Tuesday

Nov.
28

2006

Toronto

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

New provisions introduced under Reg. 419 (Air Pollution - Local Air Quality) makes this course a "must attend" for:

- ✓ Senior Management
- ✓ Corporate counsel
- ✓ Environmental Managers
- ✓ Environmental Engineers
- ✓ Environmental Lawyers
- ✓ Plant Managers
- ✓ Facilities Managers
- ✓ 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 & hospitals
- ✓ government offices

THE RULES ARE CHANGING! AIR EMISSIONS COMPLIANCE is becoming more complex.

MOE's new Air Regulation 419 (Air Pollution - Local Air Quality), which replaces O.Reg. 346 and which took effect last November, introduces 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)!

What's more, the province's *Clean Air Plan* includes more stringent standards, new emissions caps on smog precursors from major sources, new emissions limits on a wide range of industrial emissions, and stringent new limits on odour impacts.

Now in one information-packed day, you can find out how your operations will be affected and how you can stay 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.

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Now in its 7th year! Canada's leading Air Emissions Compliance Course, featuring compliance experts from Willms & Shier, Environmental Lawyers LLP, and air quality specialists from RWDI Air Inc. – leaders in emissions measurement and modeling technology – provides you with your one-stop solution to keeping up with industrial air compliance regulations and standards.

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.

For example, 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.

In addition, MOE's new Air Regulation 419 (Air Pollution - Local Air Quality), which replaces O. Reg. 346 and which took effect last November introduces 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)!

Federally, Canada's new 'made-in-Canada' response to Kyoto is expected to be introduced this Fall. Meantime, new greenhouse gas regulations (introduced last summer) will impose emission caps for Large Final Emitters in addition to emissions reporting requirements for hundreds of substances, including greenhouse gases and smog precursors introduced under the NPRI and the new O. Reg. 127/01.

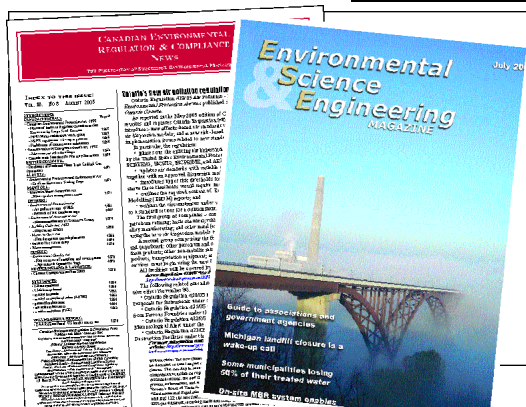
To comply, your monitoring must have started by now. The responsibility is yours, and if something goes wrong the liability may be yours too.

Now, in one information-packed day you can gain the know-how and the tools to make sure your operations meet current and future 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 course manual with notes on all the presentations;
- 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: **Environmental Science & Engineering magazine and Canadian Environmental Regulation & Compliance News**

This essential environmental compliance course is jointly sponsored by *Environmental Science & Engineering magazine* and *Canadian Environmental Regulation & Compliance News*. Operating together as Envirogate Event Management Inc. the partnership jointly produces the annual Canadian Environmental Conference & Tradeshow (CANECT) and its related conferences and courses. For more information visit the envirogate website at: <http://www.envirogate.ca>
To subscribe to *Canadian Environmental Regulation & Compliance News*, obtain a sample publication or for more information, call (416)920-0768 or email templegate@rogers.com and headline your request **Sample Issues**.

THE PROGRAM:

8:15 to 8:50
8:50 to 9:00

Registration Desk and Continental Breakfast
Introductions & course logistics
Chair: Doug Petrie LL.B M.E.S. and partner, Willms & Shier Environmental Lawyers LLP

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

9:00 to 9:35

Kyoto, the made-in-Canada solution and complying with federal regulation of Greenhouse Gas emissions

- Paul Manning, LL.B., LL.M., Willms & Shier Environmental Lawyers LLP
- Kyoto compliance: where we are now; what's to come
- Progress on the made-in-Canada Clean Air Act
- Federal regulation of Large Final Emitters (LFEs)
- Federal reporting of GHGs and smog precursors (NPRI, CEPA)

9:35 - 10:25

The New Regulatory Framework: Complying with new "Local Air Quality" Regulation 419/05

The lawyer's perspective: - John Willms, LL.B., B.Sc., Partner, Willms & Shier Environmental Lawyers LLP

- Director discretion and power
- Business issues with alternative standards
- Working through the "unknown" in the regulatory language

Technical compliance issues: - Colleen Fitzgerald-Hubble, M.Sc., P.Eng., Air Specialist- RWDI

- New air dispersion models and compliance
- Phased-in dispersion models
- US EPA models – comparisons and contrasts
- How to pick the right model – benefits and pitfalls
- Proposed changes to Reg.419

10:25 - 10:40

Morning Break

10:40 - 11:00

Challenges in Obtaining a C of A: What's new in the Air Certificate of Approval Process

Colleen Fitzgerald-Hubble, M.Sc., P.Eng., Air Specialist- RWDI

- Compiling the C of A application
- Types of air approvals (specific, consolidated, comprehensive) and where they apply
- Making the C of A process work for you

11:00 - 11:30

Managing Environmental Inspections and Investigations

- Doug Petrie LL.B M.E.S. and partner, Willms & Shier Environmental Lawyers LLP

- Bill 133 – More stringent reporting, expanded liability for officers & directors
- Responding to regulatory demands and visits
- Distinguishing inspections and investigations
- Corporate and individual rights and obligations
- STAC - Response strategies

11:30 - 12:00

Challenging Orders and Approvals

- Vivienne Ball, LL.B., M.Sc., Willms & Shier Environmental Lawyers LLP

- Why challenge?
- Opportunities for success
- Director's review of provincial officer order
- Stays and approvals of Director's decision (orders and approvals)

12:00 - 1:15

Luncheon

1:15 - 1:35

Managing Fugitive Dust Emissions

- Brian Sulley, BA.Sc., P.Eng. - Senior Project Engineer, RWDI

- Assessing fugitive dust emissions
- Dust management plans
- Mitigation case studies

1:35 - 1:55

Managing Odour Compliance Issues

- Kim O'Neill M.Sc., C.Chem.- Project Manager, RWDI

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

1:55 - 2:30

Compliance and Liability: Noise and Vibration

- Peter VanDelden, Hon. B.Sc. Senior Scientist -RWDI

- When is a noise assessment required?
- Certificate of Approval - noise process
- Compliance versus non-compliance
- Action Plans for achieving compliance

2:30 - 2:50

Averting Future Conflicts - Intervening in the Land Use Approval Process

- Doug Petrie LL.B M.E.S. and partner, Willms & Shier Environmental Lawyers LLP

- Complaining neighbours is prime reason for regulators' interventions
- Identifying encroaching incompatible development
- MOE policies to support industry buffer needs, mitigation measures
- Intervening at municipal level and the Ontario Municipal Board

2:50 - 3:05

Afternoon Break

3:05 - 3:45

Case Study

A review of the history of a successful Comprehensive Certificate of Approval (air and noise) for a heavy equipment manufacturing facility. Discussions will cover problems and solutions, including how noise, odour, and dust issues were resolved.

3:45 - 4:30

Q & A with our panel of experts

THE EXPERTISE:

Chair:

P. Douglas Petrie LL.B., M.E.S., B.E.S. (Hons.) is an Environmental Law Specialist Certified by the Law Society of Upper Canada and partner in 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):

Vivienne Ball, LL.B., M.Sc. is an environmental lawyer at Willms & Shier Environmental Lawyers LLP.

Paul Manning LL.B, LL.M is an environmental lawyer at Willms & Shier Environmental Lawyers LLP where he has acted for clients ranging from major multinationals to individuals. His practice in environmental and planning law has spanned land contamination clean-up and liability issues, tribunals and appeals, hearings, and emissions trading and greenhouse gas related issues. Paul is also admitted as a Solicitor of the Supreme Court of England and Wales.

Colleen Fitzgerald-Hubble, M.Sc., P.Eng. is an air quality specialist with RWDI Air.

Kim O'Neill joined RWDI in 2003 as a project manager responsible for managing regulatory and odour related projects as well as heading up the material identification laboratory. Kim has experience with projects related to university and research fume-hood as well as odour related certificate of approval applications. Kim is a member of the Association of the Chemical Profession of Ontario.

Brian Sulley, BA.Sc., P.Eng. is a Senior Project Engineer with RWDI. His previous experience includes process engineering in the petrochemical industry. He is currently involved in air quality assessments for the petrochemical, chemical process, pulp & paper, and aggregate industries. Brian also works extensively in conducting fugitive dust assessments, including bulk handling facilities and aggregate extraction & processing operations.

Peter Vandelden, Hon. B.Sc. is a senior specialist in noise and vibration issues with RWDI Air.

John Willms, B. Sci., LLB, is a partner at Willms & Shier Environmental Lawyers LLP. John has practiced environmental law since 1974. This legal expertise is complemented by his in-depth understanding of technical and scientific issues. John advises clients on regulatory compliance, strategic management of conflicts with regulators, environmental assessments and approvals and corporate due diligence. John has extensive experience in land use planning and environmental

Space is limited: Register Now!

AIR EMISSIONS COMPLIANCE

under Ontario's new air regime

To register: Complete and mail the Registration Form (below) with your payment today. Cheques should be made payable to: *Envirogate Event Management Inc.* (GST # 835958141RT0001) and addressed to: *Envirogate Event Management Inc., c/o Templegate, Ste. 200-206, 131 Bloor Street West, 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.

Discounts: There are generous discounts for multiple registrations (see order form below). Also, sign up now for our companion courses on

- Environmental Regulation & Compliance 2006 - Update and Overview** (Nov.27), and
 - Bill 133, Spills Management & Compliance: The New Rules** (Nov.29)
- 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 copy of the course materials, as well as a handsome Certificate of Attendance.

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 Envirogate. reserves the right to change program content, substitute speakers, or change dates and venues if circumstances require, and assumes no liability for such changes..

Nov. 28

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

\$100 SIGNING BONUS

When you attend companion courses on Nov. 27 and Nov. 29

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

- Environmental Regulation & Compliance, 2006** (Nov.27) &
- Bill 133, Spills Management & Compliance** (Nov.29) receive a **\$100 discount off** the cost of registering for each subsequent course. To receive more information on the companion courses, call (416)920-0768 today.

PLUS →

All registrants for the **Air Emissions Compliance** course will receive a complimentary copy of "*Canada's Environmental Legislation: Links to Current Verbatim Acts and Regulations*" – a new Templegate e-publication featuring live links to all current federal, provincial and territorial environmental acts and regulations!

Canada's Environmental Legislation 2006

Live Links to Current Verbatim Acts and Regulations

- always live
- always up-to-date
- always on call

Featuring:

Live links to current federal, provincial and territorial Environmental Acts and Regulations

TROUBLESHOOTING INDUSTRIAL AIR EMISSIONS COMPLIANCE

PRIORITY REGISTRATION FORM

✓ YES! Register me/us for:

TROUBLESHOOTING INDUSTRIAL **AIR** EMISSIONS COMPLIANCE

ONE DAY ONLY, Nov. 28th at: The Airport Club, Metro Toronto Board of Trade, 830 Dixon Road, Toronto, Ont. Canada

Registrant #1 @ \$635 (+6%GST) ± Registrant #2 @ \$595 (+6%GST) ± Registrant #3 @ \$555 (+6%GST)

Name(s)..... ± ±

Job title(s)..... ± ±

Company/Org.....

Street address: City: Province.....Postal Code:

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I have enclosed cheque for \$..... + \$ GST(@6%) = \$..... payable to: **Envirogate Event Management Inc.** (GST# 835958141RT0001)

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

Card Holder's Name: Date of Expiry

Mail completed form, along with payment, to: Envirogate Event Management Inc./c/o Templegate, 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 or visit:<http://www.envirogate.ca>

Signing Bonus: Register now for this course and receive a \$100 Signing Bonus* when you also register for one or both companion courses on **Nov. 27 and Nov. 29.** (* Bonus applies to 1st registrant only)