

# LEHDER Environmental Services

## November 2014 Newsletter

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### In Our Community



LEHDER is proud to support several local teams for the 2014-2015 hockey season!

Sarnia Hockey Association – PeeWee

Sarnia Hockey Association – Midget

Sarnia Sting Hockey - Minor PeeWee A/AA

### Multi-Sector Air Pollutants Regulations

The [Multi-Sector Air Pollutants Regulations](#) (MSAPR) is a key part of the Government of Canada's responsibility in regards to the implementation of the new federal/provincial/territorial Air Quality Management System.

The proposed MSAPR were published in the [Canada Gazette, Part 1](#), on June 7, 2014 and impose national performance standards on:

- Part 1 - gaseous-fuel-fired non-utility boilers and heaters,
- Part 2 - stationary spark-ignition gas-fired engines, and
- Part 3 - the cement manufacturing sector

The objectives of the proposed Regulations are to:

- Limit the amount of nitrogen oxides (NO<sub>x</sub>) emitted from modern (new) and original (existing), gaseous-fuel-fired non-utility boilers and heaters used by industrial facilities.
- Limit the amount of NO<sub>x</sub> emitted from modern and original stationary spark-ignition gaseous-fuel-fired engines used by industrial facilities (i.e., those used for gas compression or back-up generators).
- Limit the amount of NO<sub>x</sub> and sulphur dioxide (SO<sub>2</sub>) emitted from cement kilns.

Environment Canada estimates greenhouse gas reductions of 3.4 megatonnes as a supplementary benefit to these Regulations.

Part 1 of the proposed MSAPR applies to gaseous-fuel-fired non-utility boilers and heaters ("boilers and heaters") of specific industries with a rated capacity greater than or equal 10.5 GJ/hr and establishes emission-intensity limits for NO<sub>x</sub> on a gram per gigajoule (g/GJ) energy input basis.

Boiler and heaters which are classified as 'original' equipment have specific initial testing requirements which are required prior to January 1, 2016. Provisions have been made where a stack test, conducted in accordance with the requirements of the regulations and completed between January 1, 2011 and December 31, 2014 may be considered as the initial stack test at the option of the responsible person.

LEHDER is ideally positioned to assist our clients with the development of a strategic approach to comply with the requirements of the proposed regulations. Suggested steps to address the requirements for boilers and heaters are provided on the following page.



### Sarnia's 4<sup>th</sup> Annual CANstruction Event

LEHDER is excited to participate in Sarnia's 4<sup>th</sup> Annual CANstruction event which benefits The Inn of the Good Shepherd. Each month, 1700 people use The Inn's food bank – this event provides enough food for an entire month!

Last year, Sarnia placed 1<sup>st</sup> in Canada, and 3<sup>rd</sup> in the world, for the most food and donations raised at a CANstruction event.

The LEHDER team is up to challenge! To view the entries from last year's event in Sarnia, please go to:

[www.bit.ly/SarniaCAN2014](http://www.bit.ly/SarniaCAN2014)

To learn more about the CANstruction organization, please click [here](#).

Come out to support all the teams in their efforts at the Lambton Mall, March 1-17, 2015!

### Multi-Sector Air Pollutants Regulations, cont'd

#### Steps to Address the MSAPR – Boilers & Heaters

| Step | Action                                                                                                                                                                                                                                                                                                        |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.   | Determine if your facility is regulated                                                                                                                                                                                                                                                                       |
| 2.   | Create an inventory of your combustion equipment. At this stage, the minimum information needed is: <ul style="list-style-type: none"> <li>• Type (boiler/heater)</li> <li>• Date installed / commissioned</li> <li>• Fuel type (gaseous, liquid, solid, or combination)</li> <li>• Rated capacity</li> </ul> |
| 3.   | Determine if your boiler/heater equipment is regulated                                                                                                                                                                                                                                                        |
| 4.   | Classify each piece of equipment. The classifications are: <ul style="list-style-type: none"> <li>• Original</li> <li>• Transitional</li> <li>• Modern</li> <li>• Original with Major Modification</li> </ul>                                                                                                 |
| 5.   | Determine the Emission Intensity limits and other obligations for each piece of equipment                                                                                                                                                                                                                     |
| 6.   | Conduct initial testing by the date specified in regulation                                                                                                                                                                                                                                                   |
| 7.   | Submit initial report due June 1 of the year following the date of the initial testing                                                                                                                                                                                                                        |
| 8.   | Maintain and operate all boilers/heaters in accordance with the specifications set out by the manufacturer or required by its design.                                                                                                                                                                         |
| 9.   | Conduct annual testing (if specified in the regulation for your equipment)                                                                                                                                                                                                                                    |
| 10.  | Submit annual report (if specified in the regulation for your equipment)                                                                                                                                                                                                                                      |
| 11.  | Conduct change testing within 31 days of a change in the type of gaseous fuel or the addition of equipment to preheat air                                                                                                                                                                                     |
| 12.  | Record Keeping for each boiler or heater                                                                                                                                                                                                                                                                      |

For further information on this regulation and its potential impact on your facility, please [contact LEHDER](#). We can assess your facility and develop a management system to ensure compliance with the regulation. LEHDER's Emission Testing Group can conduct source testing programs, RATAs or provide CEMS support.

### LEHDER in the News

***Dangerous Good Conference*** (Calgary, AB – December 2-3, 2014) – LEHDER Principal Mark Roehler is the Keynote Speaker at [IDC Technologies' Dangerous Goods Conference](#); his keynote address is titled "The GHS System is Now Ready for Implementation. Are You?" Mark is also presenting "Hazardous Waste and Dangerous Goods – How Do These Two Terms Relate?" on the second day of the conference.

**LEHDER Announces NEW eLearning GHS Training Program**

Health Canada released the proposed Hazardous Products Regulations, along with a Regulatory Impact Analysis Statement, in the [Canada Gazette, Part 1](#), on August 9, 2014. The comment period was open until September 8, 2014 and the Canada Gazette, Part 2 publication is expected before year end.

It is anticipated that Occupational Health & Safety legislation will be in force by June 1, 2015. A transition period would begin on this date and it is anticipated that all Canadian employers would need to train their employees by June 1, 2016.

Due to the forthcoming changes, LEHDER is pleased to provide a **NEW eLearning training option** for companies who are affected by the GHS implementation.

LEHDER's eLearning Program offers students the ability to complete safety training or certification courses in an online, self-paced environment. To learn more, please visit [www.lehder.com/elearning](http://www.lehder.com/elearning)

*Regulatory Training Session* - LEHDER has added an additional date for the GHS course to our training calendar; the session is scheduled for December 10, 2014 in our Point Edward, Ontario location. More details can be found at [www.lehder.com/training](http://www.lehder.com/training)

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**Regulatory News and Updates**

**Ontario Government Releases Climate Change Update 2014 Report** – In September, the Ontario Government released [Ontario's Climate Change Update 2014](#). This report provides an update of Ontario's greenhouse gas emissions (GHGs) and progress towards the targets set out in the 2007 Climate Change Action Plan.

**More Chapters of Alberta's Air Monitoring Directive Now Available** – On September 23, 2014, Alberta Environment and Sustainable Resource Development (ESRD) released the following Alberta Air Monitoring Directive (AMD) chapters:

Chapter 1: Introduction – Final (amended). Compliance by Sept. 23, 2014  
 Chapter 3: Site Selection – Final. Compliance by Sept. 23, 2015  
 Chapter 7: Calibration – Final. Compliance by Sept. 23, 2015  
 Chapter 8: Audit – Final. Compliance by Sept. 23, 2015  
 Chapter 9: Reporting – Draft. Comment Deadline Nov. 25, 2014

Documents are available for download at:

<http://esrd.alberta.ca/air/objectives-directives-policies-and-standards/air-monitoring-directive/default.aspx>

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**About LEHDER**

LEHDER Environmental Services is an environmental consulting company focused on providing Excellence in Industrial Air Quality Services. Formed in 1995, LEHDER is now one of the largest Air Quality Management companies in Canada.

All Air Quality aspects – source testing, emission inventories, air dispersion modeling, data interpretation and approval applications – are managed internally without outsourcing and partnering.

For more information in regards to LEHDER's services, please view our website at [www.lehder.com](http://www.lehder.com).

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