

**LEHDER
Environmental
Services**

CEPA Notice with respect to reporting of information on air pollutants, greenhouse gases and other substances for the 2006 calendar year

LEHDER Newsletter
January 2008
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Introduction

On December 8, 2007, Environment Canada published a "Notice with respect to reporting of information on air pollutants, greenhouse gases and other substances for the 2006 calendar year" in the Canada Gazette under Section 71 of the CEPA.

The Notice requires that operators of facilities in fifteen (15) industrial sectors provide information on annual emissions of Green House Gases (GHG) and specified toxic air pollutants, production activities and fuel usage for the 2006 calendar year.

Remember - The reported information will be used to develop the new air regulations announced earlier in 2007 under the Regulatory Framework for Air Emissions.

Regulatory Framework for Air Emissions

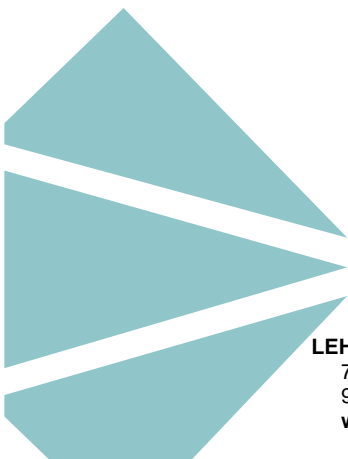
The Regulatory Framework for Air Emissions was published in April, 2007 and outlines critical aspects of upcoming air regulations. In 2010, the Federal Government intends to bring into force new regulations which will require specific industrial sectors to meet Greenhouse Gas (GHG) *emission-intensity* reduction targets. Between 2012 and 2015, these regulations will be amended to include toxic air pollutant *emission-intensity* caps.

These regulations will be sector-specific and thus will outline sector-by-sector requirements for monitoring and reporting of fuel usage, annual emissions and related production levels.

Do I have to Report?

In order to determine if you have to report, the following steps are required:

Question	If yes, then	If no, then
1. Is your facility in the prescribed sector?	Go to question 2	You are not required to report
2. Did your emissions of specified substances exceed the reporting thresholds for your sector?	You are required to prepare and submit report	You are not required to report but must submit a Non-engagement form



When is the Report due?

This information must be reported by May 31, 2008.

What Sectors are included?

The following sectors are required to submit reports:

Sector	Schedule
Alumina and Aluminium	5
Base Metal Smelting	6
Cement	7
Chemicals Manufacturing	8
Electricity	9
Iron, Steel, and Ilmenite Smelting	10
Iron Ore Pellets	11
Lime	12
Natural Gas Transmission, Distribution and Storage	13
Oil Sands	14
Petroleum Product Terminals	15
Petroleum Refining	16
Potash	17
Pulp and Paper	18
Upstream Oil and Gas	19

Doesn't my 2006RY NPRI report include all of this information?

Actually, no it doesn't!

Although there is some overlap with information reported to the National Pollutant Release Inventory, O. Reg. 127, or the Greenhouse Gas Regulation, some sector specific reporting thresholds are different (higher or lower) and the emissions reporting is broken down into completely different categories than are reported to NPRI.

Additionally, the Notice outlines an **extensive** amount of additional sector specific production related information that is required to be reported under this Notice. Examples include:

- List all products, co-products, intermediates and report production quantities
- Detailed process and facility flow diagrams
- Fuel types and consumption
- Energy generation and consumption
- Details on abatement equipment and pollution prevention measures

The information required by the CEPA Notice is significantly more detailed and much more extensive than NPRI has ever required!

What if 2006 is not a representative year?

If 2006 operations cannot be considered representative due to a long shut down or other reasons, you are allowed to report information for both 2005 and 2006.

Helpful Web Links

The CEPA Notice and Frequently Asked Questions can be found at:

http://www.ec.gc.ca/cleanair-airpur/Turning_the_Corner/CEPA_1999_Sec_71-WS074B0A75-0_En.htm

How can LEHDER Assist?

LEHDER is ideally suited to assist facilities that are specified in the CEPA Notice. The LEHDER Environmental Information Management Service (LEIMS) has been designed for annual emission calculations and reporting.

For our existing NPRI clients, LEHDER can:

- Extract the 2006 emission data from LEIMS into the CEPA categories
- Identify the production informational requirements and work with our clients to put it into the format required
- Provide continuity and consistency for future emission calculations, process information tracking and reporting through LEIMS

For others, LEHDER can:

- Peer review the 2006 emission estimates and calculations and identify opportunities for improvement
 - Migrate existing emission estimations into LEIMS thereby ensuring continuity and consistency for future emission calculations, process information tracking and reporting
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The LEHDER Approach to Emission Inventories

At LEHDER, the development and maintenance of emission inventories is a core expertise. We suggest that the development of the air source and emission inventory should be part of a strategic approach to understanding not only the emissions but also the significance of the emissions from a regulatory and social point of view.

The LEHDER approach to preparing source and emission inventory involves identifying all possible sources and then preparing emission estimates based on a relationship between key process parameters such as production rates, fuel consumption, formulation etc. LEHDER emission inventories are designed to provide optimum flexibility in assessing emissions from new or changed operations in order to maintain currency.

Because LEHDER estimates emissions using a bottom up approach (i.e. on a source by source basis), the estimates are more accurate and representative, and allow for efficient extraction of data for current and future reporting requirements. As well, the bottom up approach ensures that incremental changes and improvements at a facility are incorporated into the emission estimates.

LEHDER Environmental Services
Providing Integrated Solutions

Questions?

For further information or questions regarding the December 2007 CEPA Notice please contact:

Sid Lethbridge (519) 336-4101, Ext. 222 slethbridge@lehder.com

Marnie Freer (519) 336-4101, Ext. 226 mfreer@lehder.com

About LEHDER

Formed in 1995, LEHDER Environmental Services Limited is one of the largest Air Quality consulting companies in Canada. We provide totally integrated solutions to industrial clients throughout North America. Our team of consulting professionals is built around our core strength in industrial environmental, health and safety management. LEHDER recognizes our client's need to make decisions that provide for operational flexibility while meeting regulatory, economic and social requirements.

Visit our web pages at www.lehder.com

Other **Air Quality Management Services** provided by LEHDER include:

- Regulatory Negotiations and Strategic Planning
 - Applications for Permits, Licenses and Certificates of Approval
 - Source Testing (Air)
 - Compliance
 - Engineering/Process Evaluations
 - Odor Evaluations
 - Compliance Odor Testing and modeling
 - Dispersion Modeling
 - Ontario Reg. 346
 - AERMOD, ISCPrime
 - Screen 3
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Head Office
210-704 Mara Street
Point Edward
Ontario N7V 1X4
Tel: 519-336-4101
Fax: 519-336-4311

Western Division
9954 - 67th Avenue
Edmonton
Alberta T6E 0P5
Tel: 780-462-4099
Fax: 780-462-4392

