



**Proposed Coke Making Technical Standard under the
Local Air Quality Regulation [O.Reg. 419/05]**

Presentation to the Hamilton Industrial Environmental Association
Community Advisory Panel
09 February 2012

Overview

- Ontario Local Air Quality Regulation
- Technical Standards Compliance Option
- Proposed Coke Making Technical Standard:
 - Background
 - Development process
- How to stay informed

Local Air Quality Regulation Compliance Options

There are currently **three** compliance options for industrial facilities:

1 Demonstrate **compliance with the air standards** by the phase-in period.

(Assessed using approved air dispersion models or through modelling and monitoring).

OR

2 Request a **site-specific standard**.

(Available to facilities affected by new or updated requirements).

OR

3 Register under a **technical standard** for specified contaminants.

(Provided the Ministry has developed a technical standard that applies to the sector and those contaminants).

What are Technical Standards?

- A Technical Standard sets out technical and operational requirements for major emission sources identified in a sector in order to reduce emissions.
- Technical standards can include requirements relating to technology used at the facility, operation of the facility, the monitoring and reporting of information and other related matters.
- There are two types of technical standards:

Industry Standards

Addresses all sources of specified contaminants from a specific sector.

Equipment Standards

Address one source of contaminant(s), but may apply to one or multiple sectors.

Examples: Technical Standards

- There are currently two technical standards:



Forest Products Industry Standard



Foundries Industry Standard

The legal requirements are set out in: Technical Standards to Manage Air Pollution:

http://www.ene.gov.on.ca/environment/en/resources/STDPROD_078194.html

- Once developed, individual facilities would apply to register under the technical Standards compliance option – this would involve public consultation.
- Technical Standards have no expiry date. The decision to update a technical standard would likely be based on newer technologies or updated science on a contaminant(s) that suggests more controls are needed; or may be based on an industry request.

How are Sectors Chosen for a Technical Standard?

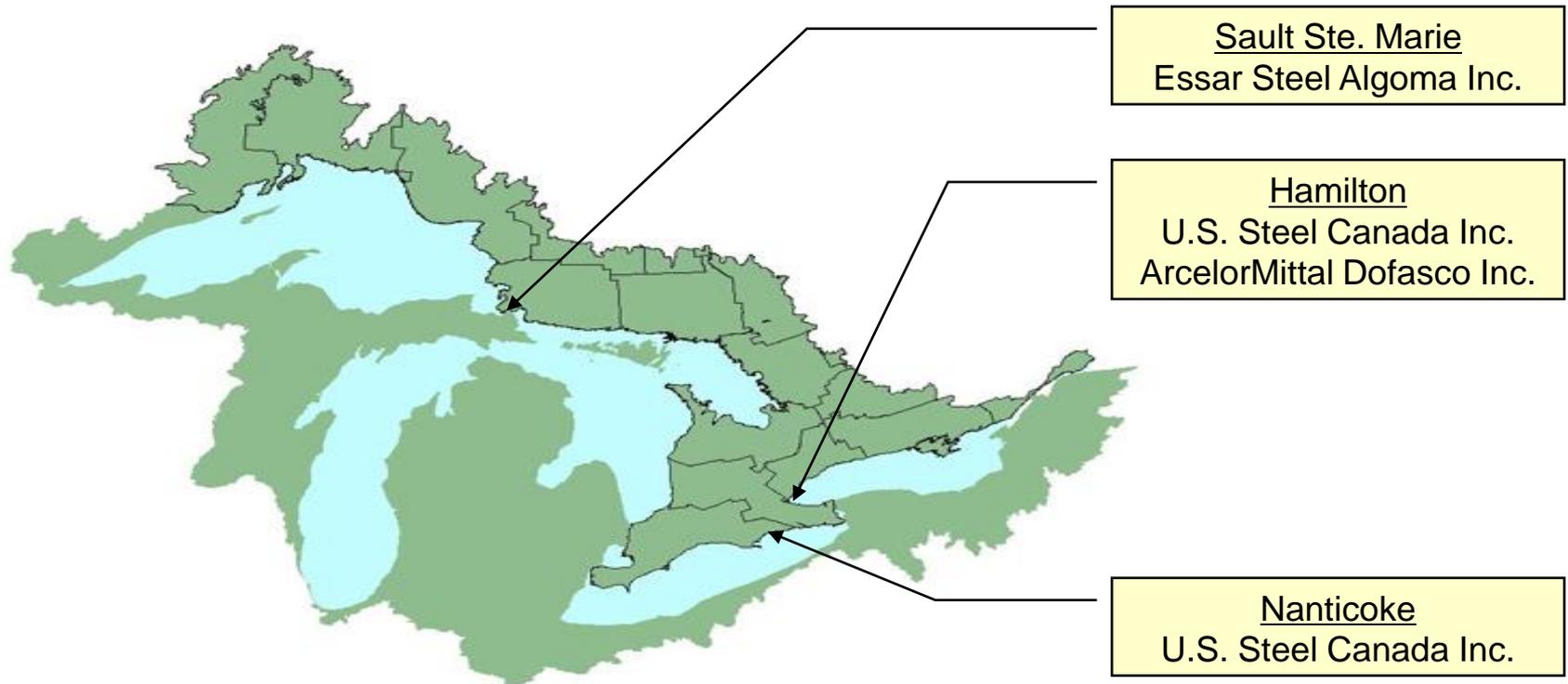
1 The MOE may approach a sector:

- During the development of new or revised air standards, certain sectors may be identified that would be ideally addressed by a technical standard rather than the air standard compliance option

2 Industry Sector/Association may approach MOE :

- If two or more facilities in a sector identify challenges in meeting one or more air standards, they may approach the MOE and request that a technical standard be developed. Facilities would identify common sources that could be addressed on a sector basis.

Coke Making Facilities In Ontario



Proposed Coke Making Equipment Standard

- In 2011, the MOE proposed to proceed with the development of a Coke Making Equipment standard in consideration of:
 - The recently announced standards for Benzene and Benzo(a)pyrene that take effect in July 1, 2016;
 - Information considered during the review of site-specific standard requests from the sector including:
 - Expert third party opinion regarding what is done in other jurisdictions;
 - Comments from stakeholders.
 - Interest from the Iron & Steel sector in this compliance option.

Proposed Coke Making Equipment Standard

Potential Benefits:

- Better control of direct emissions:
 - Limits could be established at the source of emission similar to that of other leading jurisdictions (e.g. the USEPA).
- Specified timelines for improvements and triggers for new technologies.
- Proposed consistent sector-wide approach for:
 - Emission reduction measures, technologies and documentation.

Proposed Coke Making Equipment Standard

Current Scope – Contaminants:

- Benzene
- Benzo(a)pyrene
- Suspended Particulate Matter
- Sulphur Dioxide

Current Scope – Equipment:

- Coke Oven Batteries – charging to quenching
- By-Products Plant – including desulphurization

Proposed Coke Making Equipment Standard

Steps to date:

- Process is in early stages
- Anticipated time to develop the proposed approach is expected to be 2-3 years
- Technical consultation:
 - A technical committee has been established with representatives of the MOE and the iron and steel sector for the MOE to consult on the technical considerations of the technical standard.
- Community consultation:
 - Initial consultation efforts to be facilitated through community liaison committees of the participating facilities;
 - Further consultation sessions with interested community members will be planned.

How to Stay Informed

- Community consultation will occur at key milestones throughout the process.
- Information on Technical Standards is available at the MOE website:

http://www.ene.gov.on.ca/environment/en/resources/STDPROD_078194.html

- Once a draft is developed, a notice of the proposed Coke Making TS will be posted to the Environmental Registry for public comment.