



Public Reporting Under O. Reg. 455/09
Public Plan Summary

Lake Foundry Limited

December 9, 2013



BASIC FACILITY INFORMATION

BASIC FACILITY INFORMATION		
Substances Included in the Plan		
<ul style="list-style-type: none"> ▪ Carbon Monoxide (CAS No. 630-08-0) ▪ Particulate Matter PM₁₀ (CAS No. NA-M09) ▪ Particulate Matter PM_{2.5} (CAS No. NA-M10) 		
Facility Identification and Site Address		
Company Name	Lake Foundry Limited	
Facility Name	Lake Foundry Limited	
Facility Address	Physical Address:	Mailing Address:
	287 South Service Road Grimsby, ON L3M 1Y6	287 South Service Road Grimsby, ON L3M 1Y6
Spatial Coordinates of Facility	Easting: 615199 m, Northing: 4784312 m (Zone 17, NAD 83 Datum)	
Number of Employees	48	
NPRI ID	11158	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 - Manufacturing	
4 Digit NAICS Code	3315 – Foundries	
6 Digit NAICS Code	331511 – Iron Foundries	
Facility and Planner Contact Information		
Facility Public Contact	Frank Verdinsek, Owner	Lake Foundry Limited
	Email: mail@lakefoundry.com	287 South Service Road Grimsby, ON L3M 1Y6
	Phone: (905) 643-1248	
Facility TSRP Coordinator Contact	Colin Welburn, <i>Project Manager</i>	RWDI AIR Inc.
	Email: colin.welburn@rwdi.com	75 Albert Street, Suite 209 Ottawa, ON K1P 5E7
	Phone: (613) 225-5648	



PLAN SUMMARY FOR EACH SUBSTANCE

PARTICULATE MATTER PM₁₀ & PM_{2.5}(CAS NO. NA-M09 & NA-M10)
Statement of Intent
In accordance with s. 4(1)1 of the Toxics Reduction Act the Facility commitment to operate as efficiently as possible to minimize their impact on the environment, Lake Foundry intends to reduce or minimize the creation of PM ₁₀ and PM _{2.5} wherever possible.
Objectives
The Lake Foundry Limited facility does not intend to implement a reduction option for PM ₁₀ or PM _{2.5} . Lake Foundry Limited will continue to investigate process efficiencies and continuous improvement efforts through Manufacturing initiatives, business initiatives and product requirements in an effort to reduce the creation of PM ₁₀ and PM _{2.5} in the future.
Description of Creation of Substance
Particulate matter is generated from various processes at the Lake Foundry facility. A large portion is created through inoculation, casting knockout & shakeout, the cupola furnace as well as core/mould making and scrap handling. A small quantity is generated through the combustion of natural gas, paved and unpaved roads, storage piles and casting grinding/finishing.
Rationale for No Option(s) to be Implemented
In accordance with s. 4(1)6 of the Toxic Reduction Act, Lake Foundry Limited has completed a detailed technical, and in some cases an economical, review of all proposed options within the seven mandatory categories and as a result of this in-depth evaluation, is choosing not to implement any of the options. Lake Foundry Limited will continue to investigate process efficiencies and continuous improvement efforts through manufacturing initiatives, business and product requirements, in an effort to reduce toxic substances where feasible.

This plan summary accurately reflects the Toxic Reduction Plan that has been prepared by RWDI AIR Inc. and Lake Foundry Limited for PM₁₀ and PM_{2.5}, dated December 9, 2013.



CARBON MONOXIDE (CAS NO. 630-08-0)	
Statement of Intent	
In accordance with s. 4(1)1 of the Toxics Reduction Act the Facility commitment to operate as efficiently as possible to minimize their impact on the environment, Lake Foundry intends to reduce or minimize the creation of Carbon Monoxide wherever possible.	
Objectives	
The Lake Foundry Limited facility does not intend to implement a reduction option for Carbon Monoxide. Lake Foundry Limited will continue to investigate process efficiencies and continuous improvement efforts through Manufacturing initiatives, business initiatives and product requirements in an effort to reduce the creation of Carbon Monoxide in the future.	
Description of Creation of Substance	
The majority of the Carbon Monoxide is generated through the operation of the Cupola. The remainder of the Carbon Monoxide is generated through the combustion of natural gas.	
Rationale for No Option(s) to be Implemented	
In accordance with s. 4(1)6 of the Toxic Reduction Act, Lake Foundry Limited has completed a detailed technical, and in some cases an economical, review of all proposed options within the seven mandatory categories and as a result of this in-depth evaluation, is choosing not to implement any of the options. Lake Foundry Limited will continue to investigate process efficiencies and continuous improvement efforts through manufacturing initiatives, business and product requirements, in an effort to reduce toxic substances where feasible.	

This plan summary accurately reflects the Toxic Reduction Plan that has been prepared by RWDI AIR Inc. and Lake Foundry Limited for CO, dated December 9, 2013.



Certification by Highest Ranking Employee

As of December 9, 2013, I, Frank Verdinsek, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Substance

- Particulate Matter PM₁₀ (CAS No. NA-M09).....
- Particulate Matter PM_{2.5} (CAS No. NA-M10).....
- Carbon Monoxide (CAS No. 630-08-0).....

Date of Certified Plan

December 9, 2013
December 9, 2013
December 9, 2013

A handwritten signature in black ink, appearing to read "F. Verdinsek", is written over a horizontal line.

Frank Verdinsek
Owner
Lake Foundry Limited



Certification by Licensed Planner

As of December 9, 2013, I, Colin Welburn, certify that I am familiar with the processes at Lake Foundry Limited that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the *Toxics Reduction Act, 2009* that are set out in the toxic substance reduction plans referred to below for the toxic substances and that the plans comply with the Act and Ontario Regulation 455/09 (General) made under that Act.

<u>Substance</u>	<u>Date of Certified Plan</u>
▪ Particulate Matter PM ₁₀ (CAS No. NA-M09).....	December 9, 2013
▪ Particulate Matter PM _{2.5} (CAS No. NA-M10).....	December 9, 2013
▪ Carbon Monoxide (CAS No. 630-08-0).....	December 9, 2013

A handwritten signature in blue ink that reads "Colin Welburn".

Colin Welburn, Planner License #0049
Project Manager / Toxic Substance Reduction Planner
RWDI AIR Inc.