

**Maple Leaf Foods Inc.  
10 Canning Street  
Brantford, ON N3T 1P1**

**Toxics Reduction Plan  
for  
Ammonia (CAS # NA-16)  
Particulate 2.5 (CAS # NA-M10)**

**May 23<sup>rd</sup>, 2014**

## **Facility Information**

1. Substance: Ammonia (CAS # NA-16)  
Particulate 2.5 (CAS # NA-M10)
2. NPRI Identification no.: 10615
3. Legal Name and Address: Maple Leaf Foods Inc.  
10 Canning Street  
Brantford, ON N3T 1P1
4. Full Time Employees: 170
5. NAICS: 311990
6. Company Contact: Brent Holmes  
Plant Manager  
10 Canning Street  
Brantford, ON N3T 1P1  
(519) 751-8116
7. Technical Contact: Patrick Huynh  
Manager, Environmental Projects  
6985 Financial Drive  
Mississauga, ON L5N 0A1  
(905) 285-5721
8. Plan Coordinator: Patrick Huynh
9. Plan Preparation: Patrick Huynh
10. Highest Ranking Official: Brent Holmes
11. Plant Location (UTM): Zone 17  
Easting 601008  
Northing 4829488
12. Canadian Parent Company: Maple Leaf Foods Inc.  
30 St. Clair Avenue West  
Toronto, ON M4V 3A2

## **Statement of Intent**

Maple Leaf Foods Inc. (MLF) is committed to reducing the use, creation, or transfer of toxic substances in its process where technically and economically feasible.

## **Objective**

The objective of Toxics Reduction Plan is to

- Identify the toxic substances used, created, or transferred
- How they are used, created, or transferred
- Where they are used, created, or transferred
- How their use, creation, or transfer can be reduced or eliminated

## **Description of Substances Use or Creation**

MLF operates a meat preparation, cooking and packaging at 10 Canning Street, Brantford (Ontario).

- Ammonia is a refrigerant used to cool the manufacturing process and facility as shown in Figure 1. The ammonia circulates through a closed-loop system in several thermodynamic states. It is not created, released, transferred, destroyed, disposed or contained in product.
- Particulate 2.5 is created as a by-product of combustion processes where natural gas is used as fossil fuel such as boilers and oven (see Figure 2).

## **Contents of Plan Summary Reflects Plan**

- This Plan Summary for ammonia and particulate 2.5 accurately reflects the Toxics Reduction Plan dated May 23<sup>rd</sup>, 2014.


## **Toxic Substance Reduction Options to be Implemented**

There are currently no reduction options that have been identified for these substances.

Certification by Highest Ranking Employee

As of May 27, 2014, I, Brent Holmes, certify that I have read the toxic substance reduction plan and am familiar with its content, and to my knowledge the plan is factually accurate and complies with the **Toxic Reduction Act, 2009** and **Ontario Regulation 455/09 (General)** made under that Act.

Ammonia (CAS # NA-16)  
Particulate 2.5 (CAS # NA-M10)

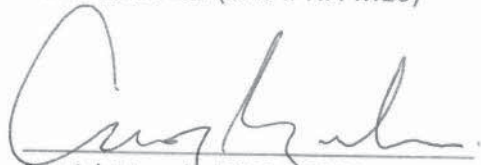
  
\_\_\_\_\_  
Brent Holmes  
Plant Manager  
Maple Leaf Foods Inc.

May 27, 2014  
\_\_\_\_\_  
Date

Toxics Substance Reduction Planner

As of May 30, 2014, I, Patrick Huynh, certify that I am familiar with the process at Maple Leaf Foods Inc.'s Brantford facility that use or create the toxic substances referred to below, that I agree with the estimates referred to paragraph 7 iii, iv and v of subsection 4(1) of the **Toxic Reduction Act, 2009** that are set out in the plan dated May 23<sup>rd</sup>, 2014 and that plan complies with that Act and **Ontario Regulation 455/09 (General)** made under that Act.

Ammonia (CAS # NA-16)  
Particulate 2.5 (CAS # NA-M10)

  
\_\_\_\_\_  
Patrick Huynh, TSRP #0249  
Manager, Environmental Projects  
Maple Leaf Foods Inc.

May 30, 2014  
\_\_\_\_\_  
Date