

# 2013 Toxics Reduction Plan Summary

## INVISTA (Canada) Company – Maitland Site

This Toxic Reduction Plan (TRP) Report is prepared under O.Reg. 455/09 for the **INVISTA (Canada) Company**, Maitland Site. This TRP Report reflects the current version of the INVISTA Maitland Site Toxic Reduction Plans dated December 16, 2013.

For further information regarding INVISTA's corporate responsibility statement and INVISTA's sustainability statement, please visit the following website [www.invista.com/en/sustainability/index.html](http://www.invista.com/en/sustainability/index.html).

## FACILITY INFORMATION

**Legal Name of Company:** INVISTA (Canada) Company

**Street address:**

1400 County Road #2 East,  
Maitland, ON, K0E 1P0

**Mailing address:**

P.O. Box 611,  
Maitland, ON, K0E 1P0

The spatial coordinates of the facility expressed in Universal Transverse Mercator (UTM) within a North American Datum 83 (NAD83) are:

Zone: 43      Easting: 547726      Northing: 4945469

In 2012 the site had approximately 97 full time equivalent employees.

The site NPRI ID number is 1207; the Site O.Reg 127/01 ID number was 5030.

The NAICS codes for this facility are:

- NAICS 2 Code: 32 - Manufacturing
- NAICS 4 Code: 3251 - Basic Chemical Mfg
- NAICS 6 Code: 325190 - Other Basic Organic Chemical Mfg.

Canadian parent company of the facility (100% responsible for this facility):

INVISTA (Canada) Company  
455 Front Road  
Kingston, Ontario Canada  
K7L4Z6

The Site Public Contact:

Paul Brown  
Manager of Government & Public Affairs  
INVISTA (Canada) Company  
613-532-3624

**Street address:**

455 Front Road  
Kingston, Ontario Canada  
K7L4Z6

**Mailing address:**

same as street address

Planner License number for the planner who provided recommendations: TSRP 0162

Planner License number for the certifying planner: TSRP0162

## **Toxic Reduction Plan Summary**

Toxic reduction plans have been prepared for the following phase 2 substances:

Carbon Monoxide CAS#630-08-0

Nitrogen Oxides (NO<sub>x</sub>) CAS#11104-93-1

Particulate Matter <=2.5 micron (PM<sub>2.5</sub>)

Particulate Matter <=10 micron (PM<sub>10</sub>)

Total Ammonia

### **Carbon Monoxide, Nitrogen Oxides, Particulate Matter <= 2.5 micron, Particulate Matter<=10 micron**

Carbon monoxide, NO<sub>x</sub>, PM<sub>2.5</sub> and PM<sub>10</sub> are combustion products created through the burning of fuel in the site Cogeneration, hydrogen unit, and steam boilers. Particulate Matter is also created through the handling of catalyst in the production process as well as handling of a production aid at the site biotreatment process. Since CO, NO<sub>x</sub>, PM<sub>2.5</sub> and PM<sub>10</sub> are all products of combustion, the facility plan evaluated these substances together. Maitland site processes do not use these substances.

Maitland Site does not intend to reduce the creation of these substances. The facility does not plan to implement any of the options evaluated in the toxic reduction plan as there are separate initiatives being undertaken at the facility. One of these initiatives is a company wide energy reduction initiative with a goal to reduce energy intensity by 20% by the year 2020. All initiatives should result in the reduction or more efficient burning of natural gas in the boilers and cogeneration unit which will reduce the creation of CO, NO<sub>x</sub>, and Particulate matter.

Maitland Site objective is to operate its cogeneration facility and boiler units as efficiently as possible which should result in the reduction or more efficient burning of natural gas which will reduce the creation of CO, NO<sub>x</sub>, and Particulate matter.

### **Ammonia**

Ammonia is used and created in the manufacturing process. Ammonia is also created in the waste treatment facility from the breakdown of organic nitrogen.

The facility does not intend to reduce the use or creation of ammonia. This substance is a critical component of the production process. None of the options evaluated were both technically and economically feasible. Although the facility will not be implementing any options as a result of the planning process, it will continue to look for options that will reduce the long term use and creation of ammonia.

### **Certification Statement- Highest Ranking Official**

As of December 19, 2013, I, Joe Hendriks 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 information contained in the report is factually accurate and the report complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under the Act.

- Carbon Monoxide (CAS#630-08-0)
- Nitrogen Oxides (CAS#11104-93-1)
- Particulate Matter <= 2.5 Micron
- Particulate Matter <= 10 Micron
- Total Ammonia



Mr. Joe Hendriks  
Site Manager

**Certification Statement- Licensed Planner**

As of December 17, 2013, I, Janet Payette certify that I am familiar with the processes at INVISTA Maitland Site 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 that Act and Ontario Regulation 455/09 (general) made under that Act.

Plan Substance	Date of Plan
• Carbon Monoxide (CAS#630-08-0)	December 16, 2013
• Nitrogen Oxides (CAS#11104-93-1)	December 16, 2013
• Particulate Matter <= 2.5 micron	December 16, 2013
• Particulate Matter <= 10 micron	December 16, 2013
• Ammonia	December 16, 2013



Janet Payette  
Licensed Planner  
TSRP0162