

Ontario Toxics Reduction Plan Summary
Public Disclosure – Yr. 2016

Facility Details

Facility Name: Thomas and Betts Ltd.
Address: 120 Nashdene Rd., Toronto, ON M1V 2W3
NPRI Identification Number: 11801
Two Digit NAICS Code: 31 – 33 – Manufacturing
Four Digit Naics Code: 3359– Other Electrical Equipment and Component Mfg.
Six Digit NAICS Code: 335990 – All Other Electrical Equipment and Component Mfg
Number of Full-Time Employees: 55
UTM Spatial Co-ordinates: X(E): 640706; Y(N): 4853375; (43° 49' 12", - 79° 15' 01")

Parent Company Details

Legal Name of Parent Company: Thomas and Betts Limited
Address of Parent Company: 700 Thomas Avenue, Iberville, QC J2X 2M9
Percentage of facility Owned by Parent Company: 100 %

Public Contact at Facility

Name: Ray Bryer
Position: Business Unit Manager
Address: 120 Nashdene Rd., Toronto, ON M1V 2W3
Office Phone Number: (416) 292-9782, ext. 214

Facility Description

Thomas & Betts manufactures airfield and street lighting products, including isolating transformers, connector kits and cable assemblies as well as emergency exit signs and lights for the commercial and industrial sectors. Operations and equipment at the site consist of copper bar cutting, washing and tinplating, wiring harness assembly, transformer assembly, placement to injection molding dies, plastic resin injection molding of harnesses and transformers, and manual assembly of exit signs and parts kits. The tin plating process consists of cleaning, activating, plating and rinsing.

Substances Information

One substance, Copper (CAS # 7440-50-8, NA-06), enters the facility as a component of the copper bars that are processed at Thomas & Betts.

Substance Accounting Details

Process Type	Copper (CAS # 7440-50-8, NA-06) (tonnes/yr)		
	2015	2016	Difference (%)
Enters	>10 to 100	>10 to 100	-24.5%
Created	0	0	0
Destroyed or Transformed	0	0	0
Released, Transferred For Recycling	>1 to 10	>10 to 100	-40.8%
In product	>10 to 100	>10 to 100	6.5%

Historical Comparison

A review of the historical comparison indicates that a decrease in the amount of copper entering the plant. A decrease in the amount of copper recycled is indicated. As a result a slight increase in amount of copper in product is indicated. The plant is closed at the end of October 2016 and the numbers show decrease compared to last year.

Reduction Plan Objectives and Targets:

This Toxic Reduction Plan will guide Thomas & Betts in finding methods to minimize the releases of residues of the heavy metals, copper and zinc, from the production processes. As these two elements are key components of the raw materials that enters the production facility, their elimination is not a viable option. Thomas & Betts intends on increasing product yields and minimizing by-product scrap from their production operations, where practical.

Reduction Options Under Consideration for Implementation:

Material or Feedstock Substitution consisting of replacement of a portion of the copper bar raw material with brass bars has taken place in the year 2014. Copper is a component of the brass bars and is included in this plan with respect to entering the site and leaving the site in product and recyclable material.

Additional Actions and Their Impact on Substance Use, Creation and Discharge:

Annual P2 review meetings and annual Best Operating Practices refresher courses will be conducted for continued improvement.

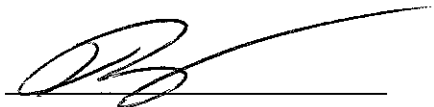
Amendments or Changes to Toxic Reduction Plans During Report Period:

No amendments or changes have been made to the facility's toxics reduction plan.

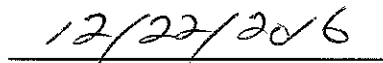
Copy of Certification:

As of December 22, 2016, I, Ray Bryer, certify that I have read the report on the toxic substance reduction plan for the toxic substances referred to below and am familiar with its 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 that Act.

Copper



Ray Bryer
Business Unit Manager
Thomas and Betts Ltd.
(Highest Ranking Employee)



Date