

Ontario Toxics Reduction Plan Summary Public Disclosure – 2012

Facility Details

Facility Name: Samuel Strapping Systems
Address: 2370 Dixie Road, Mississauga, ON L4Y 1Z7
NPRI Identification Number: 3889
Two Digit NAICS Code: 31 – 33 - Manufacturing
Four Digit Naics Code: 3312 – Steel Product Mfg. From Purchased Steel
Six Digit NAICS Code: 331221 – Cold-Rolled Steel Shape Mfg.
Number of Full-Time Employees: 120
UTM Spatial Co-ordinates: X(E): 614725; Y(N): 4828750; (-79.5785, 43.6029)

Parent Company Details

Legal Name of Parent Company: Samuel Son & Co.
Address of Parent Company: 2360 Dixie Road, Mississauga, ON L4Y 1Z7
Percentage of facility Owned by Parent Company: 100%

Public Contact at Facility

Name: Bill McLachlan
Position: Operations Manager
Address: 2370 Dixie Road, Mississauga, ON L4Y 1Z7
Office Phone Number: (905) 279-9424 x 65278

Facility Description

Samuel Strapping Systems (Samuel Strapping) produces heat-treated and standard duty steel strapping from cold and hot rolled sheet steel. In the case of heat-treated steel, steel is unwrapped from coils, directed to a pre-heat oven, heat-treating oven and a molten lead tank to rapidly cool the temperatures. The strapping then passes through charcoal, prior to entering a water bath for final cooling. There is no residual lead on the final product. The strapping is directed to a paint dip tank, a drying oven, a water quench tank, a wax coating tank and a drying oven before being recoiled. Coils are then directed to finishing for packaging.

The process of standard duty steel strapping production is similar, only without heat-treating and quenching in molten lead.

Substances Information

Lead (CAS # 7439-92-1) is used in a key component of the rapid quenching operation at the facility. Zinc (CAS # 7440-66-6), as a component of the paint used at Samuel Strapping, is contained in the finished product. All zinc-based paint will end up on the specified product.

Substance Accounting Details

Process Type	Lead (CAS # 7439-92-1) (tonnes/year)	Zinc (CAS # 7440-66-6) (tonnes/year)
Enters (total)	>1 to 10	>10 to 100
Created	0	0
In/on Product	0	>10 to 100
Released, as Air Emissions	>0 to 1	0
Released on-site to land	0	0
Released to water	0	0
Released, Transferred for Recycling	>10 to 100	0
Released to Disposal	0	0

Historical Comparison

As this is the first toxic reduction plan prepared for Samuel Strapping Systems, no historical comparison data is available.

Reduction Plan Objectives and Targets:

As the lead and zinc are in key operations in the production process, their elimination is not a viable option.

Reduction Options Under Consideration for Implementation:

There were no technically feasible and economically acceptable options identified that would result in reduced usage and releases of lead or zinc from the facility.

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

No additional actions have been implemented to reduce the usage of lead and zinc.

Amendments or Changes to Toxic Reduction Plans During Report Period:

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

Copy of Certification:

As of December 18, 2012, I, Bill McLachlan, certify that I have read the toxic substance reduction plan for lead and am familiar with its contents, and to my knowledge, the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.



Bill McLachlan
Operations Manager, Samuel Strapping Systems (Highest Ranking Employee)

December 19 - 2012

Date

As of December 18, 2012, I, J.M. (Michael) Laplante, certify that I am familiar with the processes at Samuel Strapping Systems that use lead, 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 plan dated December 18, 2012 and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act.



J.M. (Michael) Laplante, P.Eng.
Toxic Substance Reduction Planner (Licence Number TSRP0035)
Altech Environmental Consulting Ltd.

December 18, 2012

Date