

Ontario Toxics Reduction Plan Summary Public Disclosure – Year 2020

Facility Details

Facility Name: Nelson Steel Inc.
Address: 400 Glover Road, Stoney Creek, ON L8E 5X1
NPRI Identification Number: 5768
Two Digit NAICS Code: 31 – 33 - Manufacturing
Four Digit Naics Code: 3312 – Steel Product Mfg. From Purchased Steel
Six Digit NAICS Code: 332810 – Coating, Engraving, Heat Treating and Allied Activities
Number of Full-Time Employees: 95
UTM Spatial Co-ordinates: X(E): 607510; Y(N): 4786407; (-79.6762, 43.2228)

Parent Company Details

Legal Name of Parent Company: Samuel, Son and Co. Limited
Address of Parent Company: 1900 Ironoak Way, Oakville, ON L6H 0N1
Percentage of facility Owned by Parent Company: 100 %

Public Contact at Facility

Name: Ms. Sophia Blaschke
Position: Manager, Quality Assurance and Environmental Compliance
Address: Nelson Steel Inc., 400 Glover Rd,
Stoney Creek, ON L8E 5X1
Office Phone Number: (905) 662-1404

Facility Description

Nelson Steel processes hot rolled steel coils at the Stoney Creek facility. Coils of steel from storage are directed to the pickling line where they are uncoiled, pass through a hydrochloric acid pickling bath, rinsed, dried and recoiled. Coils may then be uncoiled, mechanically cut and recoiled in another part of the plant.

Substances Information

Hydrochloric acid (CAS # 7647-01-1) is used at Nelson Steel in its acid pickling process. Particulate Matter less than 10 microns (PM10) (CAS # NA-M09) and Particulate Matter less than 2.5 microns (PM2.5) (CAS #NA-M10) is created and released at the facility from road dust and natural gas combustion. In 2020, emissions of Particulate Matter less than 2.5 microns (PM2.5) (CAS #NA-M10) did not exceed reportable criteria due to reduced generation in combustion processes due to previous reductions in natural gas use.

Substance Accounting Details

Source	Hydrochloric Acid (tonnes/yr)			PM10 (tonnes/yr)		
	2020	2019	Change	2020	2019	Change
Enters (total)	>1,000 to 10,000	>1,000 to 10,000	+138%	0	0	
Created	0	0		>0 to 1	>0 to 1	-6.41%
In/on Product	0	0		0	0	
Released, as Air Emissions	>0 to 1	>0 to 1	-18.44	>0 to 1	>0 to 1	-6.41%
Released on-site to land	0	0		0	0	
Released to water	0	0		0	0	
Released, for Recycling	>100 to 1,000	>100 to 1,000	-12.92	0	0	
Released to Disposal	0	0		0	0	

Historical Comparison

An increase in production resulted in an increase in acid use. The decrease in natural gas usage resulted in a decrease PM10 emissions.

Reduction Plan Objectives and Targets:

Nelson Steel does not have a target for reducing the releases of PM10 and PM2.5. Using effective road coating practices, the facility has achieved minimum creation of PM10 and PM2.5. Nelson Steel will continue to monitor industry practices and standards and will apply innovative approaches to minimize the creation of PM10 and PM2.5 as new methods become available.

Reduction Options Under Consideration for Implementation:

Until there are technological advancements in minimizing PM10 and PM2.5 generation during natural gas combustion and travel on unpaved roads, there are no further actions that can be undertaken at Nelson Steel.

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

Nelson Steel will continue to follow best operating practices by regularly applying surface oiling to prevent dust creation and optimize coil storage to minimize the distance traveled by the tow motor. These practices will ensure current minimal creation and releases of PM10 and PM2.5. Nelson Steel will continually review economical methods of road dust minimization.

Amendments or Changes to Toxic Reduction Plans During Report Period:

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

Certification:

As August 20, 2021, I, Ralph Benincasa, certify that I have read the 2020 accounting report on 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 complies with the Toxics Reduction Act 2009 and Ontario Regulation 455/09 (General) made under that Act.

Hydrochloric acid
Particulate Matter less than 10 microns



Ralph Benincasa
General Manager, Nelson Steel Inc.
(Highest Ranking Employee)



Date