

Toxic Substance Reduction Plan Summary
for 2011 Reporting Year

Novelis Inc. – Kingston Works

Basic Facility Information

Legal & Trade Name of Company	Novelis Inc.
Company Street Address/Mailing Address	Novelis Corporation (100% ownership) 3560 Lenox Road, Suite 2000, Atlanta, GA, United States 30326
Company Business Number	849087549
Facility Street Address/Mailing Address	1 Lappan's Lane, Kingston, Ontario, Canada K7L 4Z5
NPRI Identification Number	4197
Reg. 127 Reporting ID Number	Not applicable
Number of Full-Time Employees	250
NAICS code	(Two-digit): 31-33 (Four-digit): ... 3313 (Six-digit): 331317
Spatial Co-ordinates of Facility	(44.2498, -76.5153) – NAD83 Datum
Public Contact Person	Mr. Jacob Czyz, Plant Manager Telephone: (613) 541-7056 Facsimile: (613) 541-7003

Toxic Substances Present

List of Toxic Substances Present at Facility	CAS Registry Number
Manganese, and its compounds	Not applicable

Planner Information

This Toxic Substance Reduction (TSR) Plan was certified by Mr. Frankie Man of AECOM, a licensed Toxic Substance Reduction Planner. Reduction option recommendations for the TSR Plan was also provided by Mr. Man, in consultation with Novelis. Mr. Man's license information is provided below.

Name	Frankie Man
Company	AECOM
License Number	TSRP0177

Manganese (and its compounds), CAS No. not available

Statement of Intent

As manganese is used to achieve specific performance properties in finished aluminum alloy metals, which are specified by customers and manufactured off-site, the Novelis Facility in Kingston is not in a position that would easily allow it to pursue reduction options. As such, the Facility does not intend to pursue reduction in the use or creation of manganese at the Facility in its alloys. However, Novelis is committed to reducing the generation of scrap in its converting process in an effort to reduce the quantity of rework required off-site by the aluminum alloy manufacturers.

Objectives of Plan and Toxic Reduction Target

In light of the Statement of Intent above, Novelis' objectives are to reduce the creation of scrap alloys and manganese-containing wastes to the greatest extent that circumstances permit, and to prioritize the treatment of waste in the order of reuse, recycling, and disposal.

Description of Manganese Use at Facility

The majority of manganese is contained within the coiled aluminum sheets delivered to and processed at the Facility. The desired thickness of the aluminum alloy sheets is obtained by pressing the alloy sheets through steel work rolls. The aluminium coil production process includes receiving, cold rolling, annealing/heat treatment, finishing, and delivery, including quality assurances and controls throughout.

Toxic Reduction Options

The Facility reviewed and considered potential options in each of the seven (7) reduction options categories. No technically feasible or economically viable options were identified.

Implementation Plan

Since no options were identified for implementation, a timeline was not prepared.

Plan Summary

This plan summary accurately reflects the contents of the Facility's Toxic Substance Reduction Plan that was prepared by AECOM for manganese and its compounds, dated November 16, 2012.

Manganese (and its compounds), CAS No. not available

2011 Toxic Substance Accounting on a Facility Wide Basis	
Amount of substance that entered the Facility as the substance itself or as a constituent of another substance:	>100 to 1000 tonnes
Amount of substance that was created at the Facility:	0 tonnes
Amount of substance that was contained in product:	>100 to 1000 tonnes

2012 Toxic Substance Accounting on a Facility Wide Basis	
Amount of substance that entered the Facility as the substance itself or as a constituent of another substance:	>100 to 1000 tonnes
Amount of substance that was created at the Facility:	0 tonnes
Amount of substance that was contained in product:	>100 to 1000 tonnes

On-site releases from the Facility to: air, water, land, on-site and off-site disposal, off-site recycling (if applicable) can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/>

Certification Statements

The certification statements from the highest ranking employee at the Facility and Toxic Reduction Planner are provided on the following page.