



Canadian Asphalt Industries Inc.

2018 Annual Toxics Reduction Report (Ont. Reg. 455/09) (S.O. 2009. C. 19)

Report Prepared by: Albert Chang, P.Eng, MBA (TRA License# TSRP0230)

Issued May 30, 2019

Summary

Under the Ontario, Toxic Reduction Act (TRA) and Regulation 455/09, Canadian Asphalt Industries Inc. is required to provide the following information the public:

The name of all toxic substances used or created at the facility for which plans are required to be prepared. These substances are: Sulfur Dioxide and Nitrogen Monoxides (expressed as NO₂)

Basic Facility Information:

Canadian Asphalt Industries Inc.
400 Eastport Blvd
Hamilton, Ontario, L8H 7S4
Canada
Latitude: 43.27570
Longitude: 79.78340
UTM Zone: 17
UTM Easting: 598719
UTM Northing: 4792150

The National Pollutant Release Inventory (NPRI) ID number: 11343
Ontario Regulation 127/01 ID number: NA
NAICS Code: 339990

Facility Employees: 31

Public Contact:

Guy Belanger, Plant Manager,	905 549 4561 Ext 224
Peter Hoorn, Production Manager,	905 549 4561 Ext 219
Albert Chang, Plant Engineer,	905 549 4561 Ext 207

Review of quantification methods and a rationale if the methodology has changed from previous reports, including a description of how the change affects tracking and quantification of the substance:

No Changes in methodology for 2018

A statement of whether there has been a significant process change at the facility during the previous calendar year:

No Process Changes for 2018

Substance Information and Certification:

See Table 1

Facility Description:

Canadian Asphalt Industries is an asphalt storage and retail facility. Asphalt is our specialty. We are focused to provide the highest quality asphalt with total customer satisfaction through continuous improvement, and safe work practices in our plant. Canadian Asphalt Industries facilities include a terminal and dock giving access to ship, truck and rail transport. The dock can accommodate ships and barges respecting seaway draft. The raw asphalt feedstock is received through ship, rail, or truck. The roofing and PG grades paving asphalts are shipped and delivered mostly by trucks but also, to a lesser extent, by ship.

Statement of Intent:

Sulfur Dioxide and Nitrogen Monoxides (expressed as NO₂) are created during the process of natural gas combustion in our fumes incineration furnace within the odor destruction process from our storage tanks fumes. Canadian Asphalt Industries has identified options to reduce the creation of SO₂ and NO₂. Canadian Asphalt Industries intends to implement these options over the next several years. Canadian Asphalt Industries does not intend to reduce the use of toxic substances (SO₂ and NO₂) contained within material feedstock at the facility.

Objective:

Canadian Asphalt Industries plans to assess the technical and economic feasibility of each reduction opportunity and option to determine which, if any, are viable for implementation.

Table 1: Substance Reporting Information

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Reporting Year 2018		Usage (Input)	Creation (Proc.)	Destroyed (Proc.)	Release to Air	Release to Water	Off-site Disposals	Recycling	Contained in Product
CAS #	Substances	(MT)	(MT)	(MT)	(MT)	(MT)	(MT)	(MT)	(MT)
11104-93-1	Nitrogen monoxides (Exp. as NO2)	0	2.74	0	2.74	0	0	0	0
7446-09-5	Sulfur Dioxide	0	14.83	0	14.83	0	0	0	0

Reporting Year 2017		Usage (Input)	Creation (Proc.)	Destroyed (Proc.)	Release to Air	Release to Water	Off-site Disposals	Recycling	Contained in Product
CAS #	Substances	(MT)	(MT)	(MT)	(MT)	(MT)	(MT)	(MT)	(MT)
11104-93-1	Nitrogen monoxides (Exp. as NO2)	0	2.7	0	2.7	0	0	0	0
7446-09-5	Sulfur Dioxide	0	14.8	0	14.8	0	0	0	0

Change 2017 - 2018 %		Usage (Input)	Creation (Proc.)	Destroyed (Proc.)	Release to Air	Release to Water	Off-site Disposals	Recycling	Contained in Product
CAS #	Substances	(% change)	(% change)	(% change)	(% change)	(% change)	(% change)	(% change)	(% change)
11104-93-1	Nitrogen monoxides (Exp. as NO2)	0	1.5	0	1.5	0	0	0	0
7446-09-5	Sulfur Dioxide	0	0.2	0	0.2	0	0	0	0
Reason for Change:			A		A				

NC = No change

A = Change in quantity due to increase in overall business activity

The Toxic Reduction Act Accounting Report for Canadian Asphalt Industries was submitted on _____.

I, Guy Belanger, certify that I have read the record created for the purposes of section 9 of Ontario Regulation 455/09 made under the Toxics Reduction Act, 2009 in respect of the use and creation of the toxic substances referred to below at Canadian Asphalt Industries Inc. and am familiar with their contents and to my knowledge they are factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 made under that Act.

11104-93-1 Nitrogen Monoxides (Express as NO₂, Nitrogen Dioxide)
7446-09-5 Sulfur Dioxide

Canadian Asphalt Industries, Plant Manager Guy Belanger Date MAY 30 / 2019

As of May 30, 2019, I, Albert C. H. Chang certify that I am familiar with the processes at Canadian Asphalt Industries that use or create the toxic substance referred to above, 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.

Albert C. H. Chang Date May 30, 2019
Albert C. H. Chang
TSRP0230 Toxic Substance Reduction Planner