



**CANADIAN ASPHALT**

# **Canadian Asphalt Industries Inc.**

## **2020 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 September 30, 2021**

## 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 NO<sub>2</sub>)

### 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  
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 2020

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

No Process Changes for 2020

#### *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 NO<sub>2</sub>) 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 SO<sub>2</sub> and NO<sub>2</sub>. 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 (SO<sub>2</sub> and NO<sub>2</sub>) 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**

Table 1: Substance Reporting Information

Reporting Year 2020		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 NO <sub>2</sub> )	0	2.84	0	2.84	0	0	0	0
7446-09-5	Sulfur Dioxide	0	15.49	0	15.49	0	0	0	0

  

Reporting Year 2019		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 NO <sub>2</sub> )	0	2.75	0	2.75	0	0	0	0
7446-09-5	Sulfur Dioxide	0	14.97	0	14.97	0	0	0	0

  

Change 2019 - 2020 %		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 NO <sub>2</sub> )	0	3.3	0	3.3	0	0	0	0
7446-09-5	Sulfur Dioxide	0	3.5	0	3.5	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 NO<sub>2</sub>, Nitrogen Dioxide)  
7446-09-5 Sulfur Dioxide

Canadian Asphalt Industries, Plant Manager Guy B Date Sept 27/ 2021

As of Sept 27, 2021, 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 Sept 27, 2021  
Albert C. H. Chang  
TSRP0230 Toxic Substance Reduction Planner