



# **Canadian Asphalt Industries Inc.**

## **Toxic Reduction Summary Report : 7446-09-5 Sulfur Dioxide**

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

**Issued May 30, 2019**

## **Toxic Substance Reduction Plan Summary**

Substance Name and CAS # : 7446-09-5 Sulfur Dioxide

### **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

## **Substance for which other Plans have been prepared**

11104-93-1 Nitrogen Monoxides (Express as NO<sub>2</sub>, Nitrogen Dioxide)

## **Statement of Intent**

Canadian Asphalt Industries is committed to environmental improvement. Whenever feasible, Canadian Asphalt Industries, will reduce, reuse and eliminate the reference substance in this report with full compliance of Federal and Provincial regulations.

## **Reduction Objective**

Sulfur dioxide is the product of burning materials that contain sulfur. SO<sub>2</sub> is created in the tank fumes incineration process. Canadian Asphalt Industries does not intend to reduce the use of this toxic substance at the facility.

## **Target for Reduction**

No reduction targets have been established at this time.

## **Description for the Substance**

Sulfur dioxide SO<sub>2</sub> is typically produced in significant amounts by the burning of common sulfur-rich materials. Sulfur dioxide is the product of burning materials that contain sulfur. Asphalts contain small amount of sulfur. As a storage and retail facility of asphalts, fumes come from Canadian Asphalt Industries's storage asphalt products may contain sulfur compounds, and these fumes are removed continuously through for odor destruction through our fumes recovery blower for incineration at 1600 ° F in furnace.

## **Toxic Substance Reduction Options to be Implemented**

No toxic substance reduction options will be implemented for Sulfur dioxide which will result in a reduction in the quantity used or contained in products.

### ***Plan Summary***

This Plan Summary accurately reflects the content of the toxic substance reduction plan for 7446-09-5 Sulfur Dioxide.

**Plan Certification**

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)

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