



June 1, 2017

Ontario Toxics Reduction Act- Annual Report for the 2016 reporting period.

Facility Name: Vaughan Plant

Company Name: PPG Architectural Coatings Canada Inc.

Physical Address: 8200 Keele St. Concord Ontario

Spatial Co-ordinates of the Facility: Latitude: 43.81050 Longitude: -79.50200

UTM Zone: 30, UTM Easting: 45, UTM Northing: 70

NPRI ID: 1458

NAICS ID: 325510

Public Contact: Bhaskar Saha – Plant Manager

Phone: 905-669-3497 Email: bsaha@ppg.com

Highest Ranking Employee at the Facility: Bhaskar Saha – Plant Manager

Number of Full-time Equivalent Employees at the Facility: 54

Report Prepared by: Terry Sutherland – EH&S Manager Coatings - Canada

Technical Contact: Terry Sutherland – EH&S Manager Coatings - Canada

Parent Company

PPG Canada Inc.

5676 Timberlea Blvd.

Mississauga, Ont

L4W 4M6

phone: 1-800-247-6649

List of Toxic Substances Being Used at this Facility:

PM_{2.5} - Particulate Matter with a diameter less than or = 2.5 um

CAS RN: NA – M10

PM₁₀ - Particulate Matter with a diameter less than or = 10 um

CAS RN: NA – M09

Nonylphenol and its Ethoxylates – NA-20

Toxic Substance Reduction Plan Summary for PM_{2.5}.

An “Exit Record” has been filed for PM_{2.5}, it no longer meets NPRI reporting thresholds. Review of quantifications led to improved engineering estimate of PM emissions. Previous calculations used very old emissions factor based on generic processing loss. New quantification uses same method as described in facility Environmental Compliance Approval, based on documented dust collector efficiency from vendor, and actual weights of dust collected from the dust collector. Quantification now also includes boiler PM emissions estimate.

This plan summary is accurate, up-to-date and reflects the content of the toxic substance reduction plan for PM_{2.5}.

Toxic Substance Reduction Plan Summary for PM₁₀.

Statement of Intent

An “Exit Record” has been filed for PM₁₀, it no longer meets NPRI reporting thresholds. Review of quantifications led to improved engineering estimate of PM emissions. Previous calculations used very old emissions factor based on generic processing loss. New quantification uses same method as described in facility Environmental Compliance Approval, based on documented dust collector efficiency from vendor, and actual weights of dust collected from the dust collector. Quantification now also includes boiler PM emissions estimate.

This plan summary is accurate, up-to-date and reflects the content of the toxic substance reduction plan for PM₁₀.

Toxic Substance Reduction Plan Summary Nonylphenol and its ethoxylates

Statement of Intent

Ethoxylated Nonylphenol surfactants are used in some PPG AC consumer latex paint formula's as pigment stabilizers and aid colour acceptance when colourants are added to the paint.

PPG's objective is to reduce the use of NPE's in legacy latex formulas by 39% over the next 5 years. PPG acknowledges that NPE's are an issue to health and the environment and is committed to reduce the use of NPE's.

Objectives of Reduction Plan

There are alternatives to NPE's that are less toxic. New latex paint formulas have been developed in the last 4 years that have not been formulated with NPE's and have also been formulated to achieve the lowest possible VOC content. The objective is to address older formulations that have not yet been converted to NPE free surfactants.

Toxic Substance Accounting Results for reporting year 2016

Substance Name	CAS RN	Use at Facility	Used (tonnes)	Created (tonnes)	Contained in Product (tonnes)
PM ₁₀ – Particulate Matter with a diameter less than or = 10 µm	NA-M09	Paint Component	> 0 to 1	>0 to 1	N/A
PM _{2.5} – Particulate Matter with a diameter less than or = 2.5 µm	NA-M10	Paint Component	> 0 to 1	>0 to 1	N/A
Nonylphenol and its Ethoxylates.	NA-20	Paint Component	>1 to 10	>0 to 1	>1 to 10

Changes in Quantities from Previous Year

Substance Name	CAS RN	Use at Facility	Change Used (tonnes and %)	Change Created (tonnes and %)	Change Contained in Product (tonnes and %)
PM ₁₀ – Particulate Matter with a diameter less than or = 10 µm	NA-M09	Paint Component	>0 to 1 -81.0%	>0 to 1	N/A
PM _{2.5} – Particulate Matter with a diameter less than or = 2.5 µm	NA-M10	Paint Component	>0 to 1 -74%	>0 to 1	N/A
Nonylphenol and its Ethoxylates.	NA-20	Paint Component	>1 to 10 +25%	>0 to 1	>1 to 10 +25%

Reasons for Increases

In 2016 no specific actions were taken with respect to reformulation. Production volumes of products using Nonylphenol and its Ethoxylates increased slightly from prior year. Since first reported in 2012, the use the NPE's at this facility has decreased by 60% which exceeds the original plan target of 39%.

Certification by Highest Ranking Employee at the Facility

I BHASKAR SAHA certify that I have read the toxic substance reduction plans for the toxic substances referred to below used at the PPG AC Vaughan facility and I am familiar with the content. To the best of my knowledge the report is factually accurate,

and the report complies with the "Toxics Reduction Act, 2009, and Ontario Regulations 455/09 (General) made under that Act.

(NPE's, PM₁₀ and PM_{2.5})

Bhaskar Saha

05/31/2017

Bhaskar Saha

Date

Plant Manager-Vaughan Facility

I LORRAINE BENNETT certify that I am familiar with the processes at the PPG AC Vaughan facility where the toxic substance referred to below is used. I agree with the estimates referred to in subparagraphs 7 iii, iv and v of the Toxics Reduction Act, 2009 that are set out in the plan dated December 16, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

(NPE's, PM₁₀ and PM_{2.5})

Lorraine Bennett

May 31/17

Lorraine Bennett

Date

Regulatory Specialist – PPG AC Canada

Planner Licence Number # TSRP0070