PPG Architectural Coatings

December 16th, 2013

Ontario Toxics Reduction Act, 2009
Toxics Substances Reduction Plan
Summaries

PPG Architectural Coatings Canada

Vaughan Facility

8200 Keele St.

Concord, Ontario

L4K 2A5

Basic Company Information

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: Brigitte Charpentier – Regulatory Specialist

Phone: 450-442-7924, Email: Brigitte.Charpentier@AkzoNobel.com

Highest Ranking Employee at the Facility: Nelson Ponte – Plant Manager

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

Report Prepared by: Lorraine Bennett – Regulatory Specialist

Technical Contact: Brigitte Charpentier – Regulatory Specialist

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

PM_{10} - Particulate Matter with a diameter less than or = 10 um

CAS RN: NA – M09

Nonylpenol and its Ethoxylates – NA-20

Toxic Substance Reduction Plan Summary for $PM_{2.5}$.

Statement of Intent

PPG does not intend to reduce the use of these particle sizes. Raw materials having particle sizes $PM_{2.5}$ are intentional particle sizes used in the manufacture of PPG consumer latex paints. These particle sizes are required to achieve desired paint finishes properties (i.e. flat, semi-gloss, gloss).

Reasons For Not Implementing Any Options

The paint manufacturing process is well controlled with materials being fed into the grinding tanks through a small opening with only a small amount of dust being created which is well below occupational hygiene limits. The dust that is created is extracted by a dust extraction system and is collected in a bag house. Large bags (1000-2200lbs) of raw materials are used as much as possible to minimize dust creation as opposed to a smaller 50 lb bag option (x 20 or more).The large bags are returned to the raw material suppliers to be refilled. The particles are wetted and continue through the rest of the process via a closed pipeline.

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 PM_{10}.

Statement of Intent

PPG does not intend to reduce the use of these particle sizes. Raw materials having particle sizes PM_{10} are intentional particle sizes used in the manufacture of PPG consumer latex paints. These particle sizes are required to achieve desired paint finishes properties (i.e. flat, semi-gloss, gloss).

Reasons For Not Implementing Any Options

The paint manufacturing process is well controlled with materials being fed into the grinding tanks through a small opening with only a small amount of dust being created which is well below occupational hygiene limits. The dust that is created is extracted by a dust extraction system and is collected in a bag house. Large bags (1000-2200lbs) of raw materials are used as much as possible to minimize dust creation as opposed to a smaller 50 lb bag option (x 20 or more).The large bags are returned to the raw material suppliers to be refilled. The particles are wetted and continue through the rest of the process via a closed pipeline.

This plan summary is accurate, up-to-date and reflects the content of the toxic substance reduction plan for PM_{10}.

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.

Estimate Reductions in Use and Timeline

PPG Architectural Coatings plans to reduce the use of NPE's as follows.

Year 1 2014 9% 2000 kg

Year 2 2015 9% 2000 kg

Year 3 2016 7% 1500 kg

Year 4 2017 7% 1500 kg

Year 5 2018 7% 1500 kg

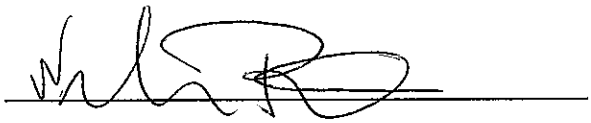
This represents a 39% reduction in the use of NPE surfactants by December 31, 2018.

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

Certification by Highest Ranking Employee at the Facility

I NELSON PONTE 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, PM_{10} and $PM_{2.5}$)



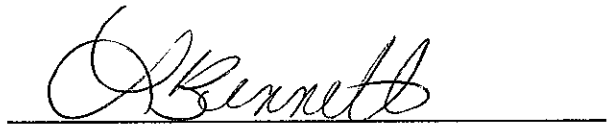
DECEMBER 16, 2013

Nelson Ponte — 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, PM_{10} and $PM_{2.5}$)



Dec 16th, 2013

Lorraine Bennett — Date

Regulatory Specialist – PPG AC Canada

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