

Final Report

Toxic Substance Reduction Plan Summary
NO_x, Sulphuric Acid, Methylene, MDI, PMDI, PM10 & PM2.5

Nemak Windsor Aluminum Plant
Windsor, Ontario

Prepared for: Nemak of Canada Corporation

Conestoga-Rovers & Associates

651 Colby Drive
Waterloo, Ontario N2V 1C2

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TRA Plan Summary – Phase II Substances**Basic Facility Information**

Name & CAS # of Substance	Nitrogen Oxides NOx	11104-93-1
	Sulphuric acid	64-93-9
	Methylene	101-68-8
	Diphenyldiisocyanate (MDI)	
	Polymeric Diphenylmethane Diisocyanate (PMDI)	9016-87-9
	PM2.5&PM10	NA
Substances for which other Plans have been prepared	Phenol	108-95-2
	Aluminum (Fume or dust)	7429-90-5
	Copper	7440-50-8
	Lead	7439-92-1
Facility Identification and Site Address		
Company Name	Nemak of Canada Corporation	
Facility Name	Windsor Aluminum Plant	
Facility Address	Physical Address:	Mailing Address: (if different)
	4600 G.N. Booth Drive Windsor, ON N9C 4G8	Same as physical address
Spatial Coordination of Facility	UTM Easting 328217 UTM Northing 4682614 (NAD1983)	
Number of Employees	281	
NPRI ID	4416	
Ontario MOE ID Number	5879	
Parent Company (PC) Information		
PC Name & Address	Same as above	
Percent Ownership for each PC	100%	
Business Number for PC	865735492	

Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 Manufacturing	
4 Digit NAICS Code	3315 – Foundries	
6 Digit NAICS Code	331529 – Non-Ferrous Foundries except Die Casting	
Company Contact Information		
Facility Public Contact	Raul Monroy	Same as above
	Environmental - Engineering	
	Phone: (519) 250-2540	
	Raul.Monroy@nemak.com	
Facility Technical Contact	Raul Monroy	Same as above
	Environmental – Engineering	
	Phone: (519) 250-2540	
	Raul.Monroy@nemak.com	
Company Coordinator Contact	Raul Monroy	Same as above
	Environmental - Engineering	
	Phone: (519) 250-2540	
	Raul.Monroy@nemak.com	
Person who Prepared the Plan: (if different from the Coordinator)	Mr. Erik Martinez, Consultant	Conestoga-Rovers & Associates 651 Colby Drive Waterloo, Ontario N2V 1C2
	emartinez@croworld.com	
	Phone: (519) 884-0510 ext. 2342	
	Fax: (519) 884-0525	
	Planner License No. TSRP0005	
Highest Ranking Employee	David Goodison	Same as Facility address
	Plant Manager	
	David.goodison@nemak.com	
	Phone: (519) 250-2540	
Planner Information:		
Planner Responsible for Making Recommendations	Mr. Erik Martinez, Consultant	Conestoga-Rovers & Associates 651 Colby Drive Waterloo, Ontario N2V 1C2
	emartinez@croworld.com	
	Phone: (519) 884-0510 ext. 2342	
	Fax: (519) 884-0525	
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Planner Responsible for Certification	Mr. Erik Martinez, Consultant	Conestoga-Rovers & Associates 651 Colby Drive Waterloo, Ontario N2V 1C2
	emartinez@croworld.com	
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Statement of Intent

Nemak of Canada Corporation (Nemak) is committed to the responsible management of all of its facilities and operations. This includes a proactive approach towards protecting public health and the natural environment through existing and planned environmental and sustainability such as Nemak's commitment to pollution prevention in its ISO 14001 certified Environmental Management Plan. In Windsor, Nemak operates as the Windsor Aluminum Plant (WAP) Facility; the Facility intends to reduce or minimize the use or creation of the substances listed in Section 1 of the report (Plan) wherever possible. Specifically, the WAP Facility is dedicated to reducing its use and creation of toxic substances by continually striving for operational and process efficiency, innovation, and conservation.

Objectives

Nemak prides itself on technological innovation in order to produce produces aluminum engine block castings for use in automobiles produced worldwide in an environmentally responsible manner. As stated, Nemak at its WAP Facility intends to reduce or minimize the use or creation of the substances listed in Section 1 of the Plan wherever possible.

The Plan also assesses the technical and economic feasibility of potential options to reduce the use and/or creation of MDI, PMDI, Sulphuric Acid, Nitrogen Oxides, or PM-2.5 and PM-10 at the Facility, and to determine which options, if any, are viable for implementation at this time.

Facility Description

The primary North American Industry Classification System (NAICS) Code that applies to this Facility is 331529 (Non Ferrous Foundries except Die Casting).

The Nemak WAP produces aluminum engine block castings for use in automobiles produced worldwide.

Toxic Substance Reduction Option to Be Implemented

Nemak was unable to identify any options for implementation to reduce the use and/or creation of MDI, PMDI, Sulphuric Acid, Nitrogen Oxides, or PM-2.5 and PM-10.

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plans for MDI, PMDI, Sulphuric Acid, Nitrogen Oxides, or PM-2.5 and PM-10.

Certification by Highest Ranking Employee

Attached.

Certification by Licensed Planner

Attached.

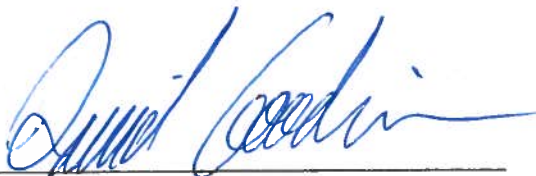
Section 7.0 Plan Certifications

Certification by Highest Ranking Employee

As of Dec 27/2013, I, David Goodison, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

[Particulate Matter ≤ 2.5 µm]
 [Particulate Matter ≤ 10 µm]
 [Methylene Diphenyldiisocyanate]

[Nitrogen Oxides]
 [Sulphuric Acid]
 [Polymeric Diphenylmethane Diisocyanate]



David Goodison
 Plant Manager
 Nemak of Canada

Dec 27/2013

Date

Certification by Licensed Planner

As of Dec 24, 2013, I, Erik Martinez, certify that I am familiar with the processes at Nemak of Canada that use or create the toxic substance referred to below, 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* that are set out in the plan dated December 24, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

[Particulate Matter ≤ 2.5 µm]
 [Particulate Matter ≤ 10 µm]
 [Methylene Diphenyldiisocyanate]

[Nitrogen Oxides]
 [Sulphuric Acid]
 [Polymeric Diphenylmethane Diisocyanate]



Erik Martinez
 Toxic Substance Reduction Planner
 License No. TSRP0005
 Conestoga-Rovers & Associates Ltd.

Dec 24, 2013

Date