



# Public Summary Report Toxic Substance Reduction Plans

Nemak of Canada  
Windsor Aluminum Plant

December 17, 2014



## BASIC FACILITY INFORMATION

### Substances Included in the Plan

- Ammonia (CAS No. NA - 16)

### Facility Identification and Site Address

<b>Company Name</b>	Nemak of Canada Corporation	
<b>Facility Name</b>	Windsor Aluminum Plant	
<b>Facility Address</b>	<b>Physical Address:</b>	<b>Mailing Address:</b>
	4600 G.N. Booth Drive Windsor, ON N9C 4G8	Same as physical address
<b>Spatial Coordinates of Facility</b>	UTM Easting 328217, UTM Northing 4682614 (NAD1983)	
<b>Number of Employees</b>	205	
<b>NPRI ID</b>	4416	
<b>Ontario MOECC ID Number</b>	5879	
<b>Primary North American Industrial Classification System Code (NAICS)</b>		
<b>2 Digit NAICS Code</b>	33 (Manufacturing)	
<b>4 Digit NAICS Code</b>	3315 (Foundries)	
<b>6 Digit NAICS Code</b>	331529 (Non Ferrous Foundries except Die Casting)	
<b>Facility and Planner Contact Information</b>		
<b>Facility Public Contact</b>	Raul Monroy	Nemak of Canada
	Email: <a href="mailto:raul.monroy@nemak.com">raul.monroy@nemak.com</a>	Same as Parent Company
	Phone: (519) 250-2540	
<b>Highest Ranking Employee</b>	David Currence	Nemak of Canada
	Email: <a href="mailto:david.currence@nemak.com">david.currence@nemak.com</a>	Same as facility address
	Phone: (519) 250-2681	
<b>Planner Responsible for Making Recommendations and Certification</b>	Brad Bergeron	RWDI AIR Inc.
	Planner Licence No.: TSRP0242	4510 Rhodes Drive, Unit 520 Windsor, Ontario N8W 5K5
	Email: <a href="mailto:brad.bergeron@rwdi.com">brad.bergeron@rwdi.com</a>	
	Phone: (519) 823-1311 x 2428	



## PLAN SUMMARY

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<b>Ammonia (CAS NO. NA - 16)</b>
<b>Statement of Intent</b>
In accordance with s. 4(1)1 of the Toxics Reduction Act and the Facility commitment to pollution prevention in its ISO 14001 certified Environmental Management system, the Facility intends to reduce or minimize the use or creation of the listed substance wherever possible.
<b>Objectives</b>
Nemak Windsor Aluminum Plant does not intend to implement a reduction option for Ammonia. Windsor Aluminum will continue to investigate continuous improvement efforts through its ISO 14001 Certified Environmental Management System to reduce the creation of ammonia going forward.
<b>Description of Use of Substance</b>
As DMIPA is injected in the core boxes, the core box as well as the core making machine are exhausted through a sulphuric acid scrubber. The solution created as a result of a neutralization reaction, called scrubber effluent, contains ammonia sulphate, which contains Ammonia.
<b>Description of Option(s) to be Implemented</b>
In accordance with s. 4(1)6 of the Toxic Reduction Act, The Nemak Windsor Aluminum Plant has completed a detailed technical, and in some cases an economical, review of all proposed options within the seven mandatory categories and as a result of this in-depth evaluation, is choosing not to implement any of the options. The facility will continue to investigate process efficiencies and continuous improvements through day to day operations and maintenance program objectives.

*This plan summary accurately reflects the Toxic Reduction Plan that has been prepared by RWDI AIR Inc. for the Nemak Windsor Aluminum Plant for Ammonia, dated December 17, 2014.*



## 1.1 Certification by Highest Ranking Employee

As of December 17, 2014, I, David Currence, 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.

Substance

- Ammonia (CAS No. NA - 16)

Date of Certified Plan

December 17, 2014

A handwritten signature in blue ink that reads 'David Currence'.

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David Currence  
Plant Manager  
Nemak of Canada Corporation



## 1.2 Certification by Licenced Planner

As of December 17, 2014, I, Brad Bergeron, certify that I am familiar with the processes at Windsor Aluminum Plant 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 toxic substance reduction plan referred to below for the toxic substance and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act.

Substance

- Ammonia (CAS No. NA - 16)

Date of Certified Plan

December 17, 2014

A handwritten signature in black ink, appearing to read 'Brad Bergeron', written over a horizontal line.

Brad Bergeron, Planner Licence #TSRP0242  
Senior Project Manager / Toxic Substance Reduction Planner  
RWDI AIR Inc.