



**Toxic Substance Reduction Plan Summary  
For  
Toluene, Xylene and Methanol**

**ABC INOAC Exterior Systems Inc.**  
220 Brockport Drive,  
Toronto, ON M9W 5S1

Rev. 0            December 15, 2012  
Rev. 1            May 28, 2014

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## 1 INTRODUCTION

This Toxic Substance Reduction Plan has been prepared in accordance with Section 8(2) of Toxic Reduction Plan Act and satisfies the minimum plan summary requirement stipulated in Section 24 of Ontario Regulation 455/09. This plan summary accurately reflects the content of the plans for the prescribed substances described as follows.

### 1.1 Substance information

Substance name and Chemical Abstracts Service Registry number	Toluene (CAS# 108-88-3)
	Xylene (CAS# 1330-20-7)
	Methanol (CAS# 67-56-1)

### 1.2 Facility Information

Facility Name	ABC INOAC Exterior Systems Inc.
Facility Address	220 Brockport Dr., Toronto, ON M9W 5S1
UTM Coordinates	43.70260N, -79.59070W; Zone 17
Number of Full Time Employees in 2012	407
NPRI Identification Number:	5914
Two Digit NAICS Code:	32
Four Digit NAICS Code:	3261
Six Digit NAICS Code:	326193
Public Contact	Bob Caughey
	Quality Manager & EMS Representative
	220 Brockport Dr., Toronto, ON M9W 5S1
	(416) 675-7480 ext. 334
<b>Parent Company Information</b>	
<i>Owner 1</i>	
Company Name	ABC Group (Canada) Limited
Company Address:	2 Norelco Dr., Toronto, ON M9L 2X6
Percentage of Ownership:	50%
<i>Owner 2</i>	
Company Name	INOAC Canada Limited (c/o Mr. Mark Stinson)
Company Address:	66 Wellington St. West, Toronto, ON M5K 1N6
Percentage of Ownership:	50%

## 2 STATEMENT OF INTENT

As required by Section 4(1) of Toxic Reduction Act, a plan must include either a statement of the facility's intent to reduce the use and/or creation of the toxic substance at the facility, or the reasons for not including this statement.

ABC Group is committed to preventing and mitigating its adverse impacts on the environment. ABC INOAC Exterior Systems Inc. (the facility) has an Environmental Management System that is certified to ISO 14001. Environmental issues, objectives and targets are parts of Key Production Indicators monitored and reviewed through regular management meetings and communicated with employees. We understand toxic reduction will be an ongoing effort and will continually team up with our suppliers to eliminate or reduce the use/release of the toxic substances from the paint line, wherever feasible.

The purpose of the plan is to calculate and reduce the use of the aforementioned substances.

## 3 OBJECTIVES OF THE PLANS, TARGETS AND TIMELINES

ABC INOAC Exterior Systems Inc. intends to reduce the use of

- Toluene by 3.1% over a 5-year period,
- Xylene by 4.3% over a 5-year period, and,
- Methanol by 8.0% over a 5-year period.

## 4 USE/CREATION OF THE TOXIC SUBSTANCE

Toxic Substance	CAS No.	Description of Substance Use / Creation*
Toluene	108-88-3	Use as a formulation component in paints and purge solvent
Xylene	1330-20-7	Use as a formulation component in paints and reducer, and purge solvent
Methanol	67-56-1	Use as a formulation component in purge solvent only

\*No toxic substances are created.

## 5 OPTIONS TO BE IMPLEMENTED AND ESTIMATED REDUCTIONS

See details of options to be implemented and estimated reductions for Toluene, Xylene, and Methanol, respectively, in the Table 1, 2 and 3 in the next page.

**Table 5.1 Options to be Implemented and Estimated Reductions for Toluene**

Option to Be Implemented for Toluene		Use		Creation	Contained in Products	Offsite Recycling		Released				Disposal	
		tonnes	%			tonnes	tonnes	tonnes	%	Air (tonnes)	%	Water (tonnes)	Land (tonnes)
<b>Category: Equipment or Process Modification</b>													
Option 3	Use high efficiency applicator in primer coating	0.20	0.26%	0	0	0.01	0.03%	0.01	0.07%	0	0	0	0
Option 4	Replace gear mixing equipment in base coating to have a better pump and mixer control	0.02	0.03%	0	0	0.00	0.01%	0.00	0.01%	0	0	0	0
<b>Category: Training &amp; Improved Operating Practices</b>													
Option 6	Improve the painting schedule to reduce system flushes and color change	2.24	2.83%	0	0	1.34	2.98%	0.05	0.32%	0	0	0	0
<b>Total Estimated Reduction</b>		<b>2.46</b>	<b>3.11%</b>	<b>0</b>	<b>0</b>	<b>1.36</b>	<b>3.02%</b>	<b>0.07</b>	<b>0.39%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Table 5.2 Options to be Implemented and Estimated Reductions for Xylene**

Option to Be Implemented for Xylene (all isomers)		Use		Creation	Contained in Products	Offsite Recycling		Released				Disposal	
		tonnes	%			tonnes	tonnes	tonnes	%	Air (tonnes)	%	Water (tonnes)	Land (tonnes)
<b>Category: Equipment or Process Modification</b>													
Option 3	Use high efficiency applicator in primer coating	0.15	1.62%	0	0	0.01	0.44%	0.01	0.23%	0	0	0	0
Option 4	Replace gear mixing equipment in base coating to have a better pump and mixer control	0.17	1.78%	0	0	0.03	1.29%	0.01	0.22%	0	0	0	0
<b>Category: Training &amp; Improved Operating Practices</b>													
Option 6	Improve the painting schedule to reduce system flushes and color change	0.08	0.85%	0	0	0.05	1.93%	0.00	0.05%	0	0	0	0
<b>Total Estimated Reduction</b>		<b>0.40</b>	<b>4.26%</b>	<b>0</b>	<b>0</b>	<b>0.09</b>	<b>3.67%</b>	<b>0.02</b>	<b>0.51%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Table 5.3 Options to be Implemented and Estimated Reductions for Methanol**

Option to Be Implemented for Methanol		Use		Creation	Contained in Products	Offsite Recycling		Released				Disposal	
		tonnes	%			tonnes	tonnes	tonnes	%	Air (tonnes)	%	Water (tonnes)	Land (tonnes)
<b>Category: Material or Feedstock Substitution</b>													
Option 2	Top up less amount of Methanol in the purge solvent	0.45	5.00%	0	0	0.27	5.00%	0.08	5.00%	0	0	0	0
<b>Category: Training &amp; Improved Operating Practices</b>													
Option 6	Improve the painting schedule to reduce system flushes and color change	0.27	3.00%	0	0	0.16	3.00%	0.01	0.41%	0	0	0	0
<b>Total Estimated Reduction</b>		<b>0.72</b>	<b>8.00%</b>	<b>0</b>	<b>0</b>	<b>0.43</b>	<b>8.00%</b>	<b>0.08</b>	<b>5.41%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## CERTIFICATIONS OF PLAN

### Certification by Highest Ranking Employee

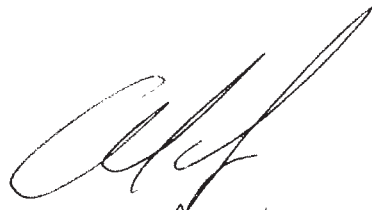
As of December 20, 2012, I, Angelo Cesta, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Toluene

Xylene

Methanol

Signature:



COO; ABC Inoac Exterior Systems Inc.

### Certification by Toxic Substance Reduction Planner

As of December 20, 2012, I, Hua (Laurie) Li certify that I am familiar with the processes at ABC Inoac Exterior Systems Inc. that use or create the toxic substances 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 plans referred to below for the toxic substances and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Toluene, December 20, 2012

Xylene, December 20, 2012

Methanol, December 20, 2012

Signature:



EHS Coordinator; ABC Group Inc.

Planner license number: TSRP0248