

# **TOXICS REDUCTION ACT TOXIC SUBSTANCE REDUCTION PLAN SUMMARIES 2015**

REPORT PREPARED BY:  
*O2E Inc.*

REPORT PREPARED FOR:  
*ATLANTIC BIODIESEL CORPORATION*

O2E REF. NO. 16-135

APRIL 28, 2017



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## 1. PLAN SUMMARY – HYDROCHLORIC ACID

<b>Name and CASRN of Substance</b>	Hydrochloric Acid	7647-01-0
<b>Substances for which other plans have been prepared</b>	Methanol	67-56-1

### 1.1 Basic Facility Information

Basic facility information has been included in Section 3 of this document.

### 1.2 Toxic Reduction Policy Statement of Intent

Atlantic Biodiesel is a state-of-the-art renewable fuel manufacturing facility that produces low-cloud point biodiesel that exceeds ASTM, EN and CGSB standards and kosher-certified glycerin. They are proud partners in the biodiesel industry contributing to the development and commercialization of clean, domestic biodiesel fuel from renewable sources. Through the fuel and glycerin they make, they are supporting agriculture and contributing significantly to Provincial and Federal greenhouse gas reduction targets.

Atlantic Biodiesel is committed to meeting or exceeding legislated regulations and industry standards with established systems and procedures to ensure their commitment to improving their environmental performance through reduction, reuse, recovering and recycling of the commodities they use to produce renewable biodiesel fuel and glycerol.

### 1.3 Reduction Objectives

The reduction of toxic substance use, creation and releases is a priority for Atlantic Biodiesel Corporation forming part of their sustainability programs and EMS. Atlantic Biodiesel Corporation is unable to reduce the use of Hydrochloric Acid as it is an integral component of the process. However, they will ensure the sound management and use of this substance that minimizes significant adverse impacts on human health and the environment.

### 1.4 Toxic Substance Reduction Option to be Implemented

There are currently no reduction options that have been identified as being both technically and economically feasible for this substance. However, Atlantic Biodiesel Corporation will continue to explore and investigate potential reduction options as they arise as part of our existing sustainability programs.

## 1.5 Plan Summary Statement

This plan accurately reflects the content of the toxic substance reduction plan for Hydrochloric Acid, dated April 28, 2017.

## 1.6 Copy of Plan Confirmation

A copy of the plan confirmation is presented in Section 4 of this document.

## 2. PLAN SUMMARY – METHANOL

<b>Name and CASRN of Substance</b>	Methanol	67-56-1
<b>Substances for which other plans have been prepared</b>	Hydrochloric Acid	7647-01-0

### 2.1 Basic Facility Information

Basic facility information has been included in Section 3 of this document.

### 2.2 Toxic Reduction Policy Statement of Intent

Atlantic Biodiesel is a state-of-the-art renewable fuel manufacturing facility that produces low-cloud point biodiesel that exceeds ASTM, EN and CGSB standards and kosher-certified glycerin. They are proud partners in the biodiesel industry contributing to the development and commercialization of clean, domestic biodiesel fuel from renewable sources. Through the fuel and glycerin they make, they are supporting agriculture and contributing significantly to Provincial and Federal greenhouse gas reduction targets.

Atlantic Biodiesel is committed to meeting or exceeding legislated regulations and industry standards with established systems and procedures to ensure their commitment to improving their environmental performance through reduction, reuse, recovering and recycling of the commodities they use to produce renewable biodiesel fuel and glycerol.

### 2.3 Reduction Objectives

The reduction of toxic substance use, creation and releases is a priority for Atlantic Biodiesel Corporation forming part of their sustainability programs and EMS. Atlantic Biodiesel Corporation is unable to reduce the use of Methanol as it is an integral component of the biodiesel produced by the facility. However, Atlantic Biodiesel Corporation will ensure the sound management and use of this substance that minimizes significant adverse impacts on human health and the environment.

## 2.4 Toxic Substance Reduction Option to be Implemented

There are currently no reduction options that have been identified as being both technically and economically feasible for this substance. However, Atlantic Biodiesel Corporation will continue to explore and investigate potential reduction options as they arise as part of our existing sustainability programs.

## 2.5 Plan Summary Statement

This plan accurately reflects the content of the toxic substance reduction plan for Methanol, dated April 28, 2017.

## 2.6 Copy of Plan Confirmation

A copy of the plan confirmation is presented in Section 4 of this document.

## 3. BASIC FACILITY INFORMATION

<b>Facility Identification and Site Address</b>		
<b>Company Name</b>	Atlantic Biodiesel Corporation	
<b>Facility Name</b>	Atlantic Biodiesel Corporation	
<b>Facility Address</b>	Physical Address:	Mailing Address:
	1 St. Clair Drive Welland, ON L3B 6A7	1 St. Clair Drive Welland, ON L3B 6A7
<b>Spatial Coordinates (UTM)</b>	643446.45 (Easting)	4756867.38 (Northing)
<b>Datum</b>	WGS84 - Zone 17T	
<b>Number of Employees</b>	26 (Full time equivalents)	
<b>NPRI ID</b>	27716	
<b>ON MOE ID</b>	-	
<b>Parent Company Information</b>		
<b>Parent Company Name &amp; Address</b>	Not Applicable	
<b>Percent Ownership</b>	Not Applicable	
<b>Primary North American Industrial Classification System Code (NAICS)</b>		
<b>2 Digit NAICS Code</b>	31-33 - Manufacturing	
<b>4 Digit NAICS Code</b>	3251 - Basic chemical manufacturing	
<b>6 Digit NAICS Code</b>	325190 - Other basic organic chemical manufacturing	
<b>Company Contact Information</b>		
<b>Facility Public Contact</b>	Caroline Wong	Contact Address:
	cwong@atlanticbiodiesel.com	1 St. Clair Drive
	Phone: 647-483-4039	Welland, ON L3B 6A7
	Fax:	

#### 4. COPY OF PLAN CONFIRMATIONS

##### Rationale Statement – Highest Ranking Employee

Submission of the required plan summaries and **confirmation** statements via the Environment Canada Single Window Information Manager (SWIM) system has been delayed as a result of the investigation and assessment of reduction options taking longer than anticipated to complete. Rather than compromise the integrity of the report and results by rushing the assessment to meet the deadline, we have chosen to take the time to properly evaluate all options we believe to be currently available for our operations. As such, submission of the required elements of the toxic substance reduction plans could not be made by the regulatory deadline.

##### Confirmation by the Highest Ranking Employee

As of April 28, 2017, I, Alexey Stetsyuk, confirm 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, with the exception of the regulatory deadline, comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substances:

Hydrochloric Acid

Methanol

  
\_\_\_\_\_  
Alexey Stetsyuk  
Plant Manager, Atlantic Biodiesel Corporation


##### Confirmation by Licensed Planner

As of April 28, 2017, I, Tim Logan confirm that I am familiar with the processes at Atlantic Biodiesel Corporation's facility in Welland 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 plans dated April 28, 2017 and that the plans, with the exception of the regulatory deadline, comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substances:

Hydrochloric Acid

Methanol

  
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Tim Logan, EP (License No. TSRP0003)  
President, O2E Inc. Environmental Consultants