



# TRP Summary for Methanol

**Version 1.0**

**Prepared For:  
Quatic Industries Limited  
Guelph, Ontario**

EKG Project 17-21-001

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**Prepared by:**  
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## About The Company

Customized consulting and training specialties include:

<b>Ergonomics</b>	<b>Claims Management</b>
<ul style="list-style-type: none"> <li>➤ Physical Demands Assessments</li> <li>➤ Pre-employment Screening</li> <li>➤ Ergonomics Certification</li> <li>➤ Back Care</li> <li>➤ Manual Material Handling</li> <li>➤ Job Specific Ergonomics</li> <li>➤ Cumulative Trauma Prevention</li> <li>➤ Task Analysis/Hazard Analysis</li> <li>➤ Workstation Design/Re-design</li> </ul>	<ul style="list-style-type: none"> <li>➤ Claims Management</li> <li>➤ Claims Management Certification</li> <li>➤ Effective Labour Relations</li> <li>➤ Policy &amp; Procedure Development</li> <li>➤ Worker Re-entry Program (WREP)</li> <li>➤ Absenteeism Management</li> <li>➤ Win-Win Termination</li> <li>➤ Long/Short Term Disability</li> <li>➤ WSIAT defense</li> </ul>

<b>Environmental Health &amp; Safety</b>	<b>Occupational Health &amp; Safety</b>
<ul style="list-style-type: none"> <li>➤ ISO 14000 Audits/Implementation</li> <li>➤ Certificate of Approval for Air Registration</li> <li>➤ Emergency Response</li> <li>➤ Air Quality, Water, Soil and Noise Testing</li> <li>➤ Transportation of Dangerous Goods</li> <li>➤ Waste Management</li> <li>➤ Spill Cleanup</li> <li>➤ HACCP Audits/Implementation</li> <li>➤ WHMIS and WHMIS II and MSDS</li> </ul>	<ul style="list-style-type: none"> <li>➤ Workwell Audits/Implementation</li> <li>➤ Critical Injury Management</li> <li>➤ Lockout/Tagout Audits/Procedures</li> <li>➤ Policy &amp; Procedure Development</li> <li>➤ Due Diligence</li> <li>➤ Accident/Incident Investigation</li> <li>➤ Confined Space</li> <li>➤ Safety Auditor Certification</li> <li>➤ Fall Arrest</li> </ul>

## **1.0 STATEMENT OF INTENT AND OBJECTIVE OF PLAN**

### **1.1 Statement of Intent**

Methanol (CAS# 67-56-1) is currently used by Quatic Industries Inc. (Quatic) in many processes at the facility. Quatic intends to reduce the use of this toxics substance at the facility through the implementation of any available reduction options that are technically and economically feasible.

### **1.2 Objective**

Methanol is a main ingredient in its products and therefore cannot be eliminated, However, Quatic will strive to reduce the use of methanol. This plan will determine the technical and economic feasibility of each of the proposed reduction options to determine which, if any, are viable for implementation at this time.

### **1.3 Target**

Quatic intends to reduce the use of methanol by 5% in the next year.

## 2.0 GENERAL INFORMATION

### 2.1 Facility Information

Facility Name	Quatic Industries Limited
Address	23 Admiral Place Guelph, Ontario N1G 4N4
UTM Spatial Coordinates (NAD83)	563987 m E 4815499 m N
Name of Operator of Facility	Richard Steele
Public Contact	Rick Mathewson
Number of Full Time Employees	20
NPRI Number	5999
Two Digit NAICS Code	3259
Four Digit NAICS Code	325999

### 2.2 Other Toxic Substances For Which Plans Are Required

Formaldehyde (CAS# 50-00-0)

Hydrazine (CAS# 302-01-2)

### **3.0 REDUCTION OPTION TO BE IMPLEMENTED**

To reduce the use of methanol at the facility, Quatic plans to implement Option 3. This option involves closing the Batch Mixing and Dispensing processes. These two processes would be connected via pipe infrastructure. The two processes would also be outfit with dedicated exhausts. The result would increase the amount of methanol released to air, due to the dedicated exhausts, however the amount of methanol disposed would be decreased by a significantly larger amount.

It is believed that total losses from this process would be reduced from 12.5% to 5%. Although air releases would increase minimally due to dedicated process exhausts in the closed system, water losses due to washing would be significantly decreased in the closed system.

Quatic intends to reduce the use of methanol by 5% in the next year.

#### **4.0 PLAN CERTIFICATION**

This summary accurately reflects the current version of the plan (Dated December 2016). Plan certification attached on the following page.

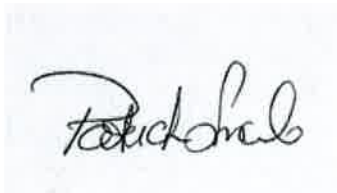
## PLAN CERTIFICATION FOR METHANOL

As of November 14, 2016, I, Richard A. Steele, certify that I have read the toxic substance reduction plan for methanol 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.



Richard A. Steele, President  
Quatic Industries Inc.

As of July 20, 2016, I, Patrick Smale, certify that I am familiar with the processes at Quatic Industries Inc. that use or create methanol, 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 October 2014 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.



Patrick Smale, TRSP166, CCEP, CEA, IHT, CES  
President, Industrial Hygienist

## **5.0 ACCOUNTING FOR CURRENT REPORTING PERIOD (2015)**

Accounting for current reporting period is found on the following pages.





# National Pollutant Release Inventory (NPRI) and



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SWIM > 2015 > Quatic Industries Limited > Quatic Industries Limited (Update 1) > Report Preview

## Summary Report

NPRI ID

5999

Company Name

Quatic Industries Limited

Facility Name

Quatic Industries Limited

Facility Address

23 Admiral Place, Guelph (Ontario)

## Report Details

Report Status

Update 1 - Submitted (19/01/2017 10:50:49 AM)

Reporting Period

2015

Report Type

Inventory (Programs: NPRI, ON MOE TRA)

Update Comments

There were improvements in data quality that were realized through the process of developing the Toxics Reduction Plans.

## Substances

### Inventory

CAS RN	Substance Name	Releases	Disposals	Recycling	Unit
67-56-1	Methanol	0.0060	0.7130	N/A	tonnes
302-01-2	Hydrazine (and its salts)	0.4000	N/A	N/A	kg

Version: 3.11.4

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