

**2015 TOXIC REDUCTION PLAN SUMMARY**

**TETRACHLOROETHYLENE (CAS # 127-18-4)  
 and  
 NONYLPHENOL AND ITS ETHOXYLATES (CAS # NA - 20)**

**BASIC FACILITY INFORMATION**

<b>Facility Identification</b>	
<b>Facility Name</b>	Util Canada Limited
<b>National Pollutant Release</b>	29130
<b>Ontario MOE ID Number</b>	n/a
<b>Number of Full-time</b>	280
<b>2 Digit NAICS</b>	33
<b>4 Digit NAICS</b>	3363
<b>6 Digit NAICS</b>	336340
<b>UTM Spatial Coordinates (NAD83)</b>	Latitude: 43.82940 Longitude: -79.49411 UTM: 17 UTM Easting: 621079 UTM Northing: 4854021
<b>Facility Address</b>	270 Spinnaker Way, Concord ON L4K 4W1

**Owner of the Facility Information**

<b>Name</b>	Frank Taraschi
<b>Position</b>	President & CEO of Util Canada
<b>Address</b>	270 Spinnaker Way, Concord ON L4K 4W1
<b>Phone Number</b>	(905) 760-8088
<b>Fax Number</b>	(905) 660 5142
<b>E-mail address</b>	<a href="mailto:frank.taraschi@utilgroup.com">frank.taraschi@utilgroup.com</a>

**Operator of the Facility Information**

<b>Name</b>	Frank Taraschi
<b>Position</b>	President & CEO of Util Canada
<b>Address</b>	270 Spinnaker Way, Concord ON L4K 4W1
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**Highest Ranking Employee the Facility Information**

<b>Name</b>	Frank Taraschi
<b>Position</b>	President & CEO of Util Canada
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**Toxic Substances for Which Facility Must Prepare Plan**

<b>Substance Name</b>	<b>Chemical Abstracts Service (CAS) Registry Number</b>
Tetrachloroethylene	127-18-4
Nonylphenol	9016-45-9

<b>Plan Contact Information</b>	
<i>Person Coordinating the Preparation of the Plan</i>	
<b>Name</b>	Mihaela Draghici
<b>Position</b>	Environmental Consultant
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<i>Person Who Prepare the Plan</i>	
<b>Name</b>	Mihaela Draghici
<b>Position</b>	Environmental Consultant
<b>Address</b>	7-150 Jardin Drive, Concord, ON L4K 3P9
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<i>Public Contact</i>	
<b>Name</b>	Matthew Chan
<b>Position</b>	Health and Safety Coordinator
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<i>Technical Contact</i>	
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<b>Position</b>	Health and Safety Coordinator
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<b>Planner Information</b>	
<i>Planner Responsible for Making Recommendations</i>	
<b>Name</b>	Mihaela Draghici
<b>Position</b>	Environmental Consultant
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<b>Planner License Number:</b>	TSRP0131
<i>Planner Responsible for Certification</i>	
<b>Name</b>	Mihaela Draghici
<b>Position</b>	Environmental Consultant
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<b>Planner License Number:</b>	TSRP0131

**STATEMENT OF INTENT**

Util is committed to playing a leadership role in protecting the environment. Whenever feasible, we intend to reduce the use and air releases in compliance with all Federal and Provincial Regulations. Our employees are encouraged to participate in all types of toxic use reduction activities. Toxic use reduction will be an ongoing effort for Util and we will continue to monitor technological advancements to ensure that reduction options that are both technological and financially viable are implemented at our facility.

**OBJECTIVES OF THE PLAN AND TARGETS**

Util prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Util will attempt to reduce the use of Tetrachloroethylene at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time. Where technically and economically feasible, our goal is to reduce Tetrachloroethylene, if possible.

Util intends to reduce the use of Tetrachloroethylene by 100% (24.045 tonnes) by the end of 2017.

**FACILITY DESCRIPTION – Description of why Tetrachloroethylene is used and/or created**

Util is a manufacturer of fine and conventionally blanked metal parts, mainly for the brake system, integrally molded backing plates for disc brake pads, shoes for drum brakes, parking brake levers and actuators, piston clips, springs, wear sensor indicators and, noise, vibration and harshness (“NVH”) shims for brake pads. The Company is the number one manufacturer of backing plates and brake shoes used in vehicle brake systems and are currently developing a portfolio of components based on fine blanking technology. The company’s main products are metal parts that need to cope with harsh environments and significant physical stress.

Tetrachloroethylene (PERC) is used for cleaning glue residues from the steel strips used to manufacture shims for brake pads.

Tetrachloroethylene is not created at the Facility.

**DESCRIPTION OF OPTION TO BE IMPLEMENTED**

Util is planning to reduce the use and air releases of Tetrachloroethylene by implementing one option under Materials or Feedstock Substitution category - Option 1: Substituting solvent-based cleaner with a solvent without PERC.

**ESTIMATED REDUCTIONS FOR EACH OPTION SELECTED - TETRACHLOROETHYLENE**

Anticipated reductions from the implementation of substituting solvent-based cleaner.

	Used	Created	Contained in Product	On-site Releases (tonnes/year)			Disposal (tonnes/year)		Transfer Off-Site for Recycling & Treatment (tonnes/year)
	(tonnes/year)	(tonnes/year)	(tonnes/year)	Air	Water	Land	On-site	Off-site	
Baseline	24.045	0.000	0.000	24.045	0.000	0.000	0.000	0.000	0.000
New Estimated Amount	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Reduction	24.045	0.000	0.000	24.045	0.000	0.000	0.000	0.000	0.000
% Reduction	100%	0%	0%	100%	0%	0%	0%	0%	0%

**TIMELINES FOR ACHIEVING THE ESTIMATED REDUCTION IN USE AND OR CREATION (IF ANY) - TETRACHLOROETHYLENE**

The following option has been identified for implementation to reduce the use and air releases of Tetrachloroethylene:

- substituting solvent-based cleaner containing Tetrachloroethylene with a solvent having a lower toxicity – to be implemented by the end of 2017 and full estimated reductions by the end of 2018. This option will be implemented only if the new cleaner meets the client’s approval.

**STATEMENT THAT THE PLAN SUMMARY REFLECTS THE PLAN**

This Plan Summary accurately reflects the Toxic Reduction Plan for the Tetrachloroethylene (CAS #127-18-4) dated December 19, 2016.

**STATEMENT OF INTENT - Nonylphenol and its ethoxylates**

Util is committed to playing a leadership role in protecting the environment. Whenever feasible, we intend to reduce the use and air releases in compliance with all Federal and Provincial Regulations. Our employees are encouraged to participate in all types of toxic use reduction activities. Toxic use reduction will be an ongoing effort for Util and we will continue to monitor technological advancements to ensure that reduction options that are both technological and financially viable are implemented at our facility.

**OBJECTIVES OF THE PLAN AND TARGETS**

Util prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Util will attempt to reduce the use of Nonylphenol and its ethoxylates at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time. Where technically and economically feasible, our goal is to reduce Nonylphenol and its ethoxylates, if possible.

Util intends to reduce the use of Nonylphenol and its ethoxylates by 100% (1,544 kilograms) by the end of

**FACILITY DESCRIPTION – Description of why Nonylphenol and its ethoxylates is used and/or created**

Util is a manufacturer of fine and conventionally blanked metal parts, mainly for the brake system, integrally molded backing plates for disc brake pads, shoes for drum brakes, parking brake levers and actuators, piston clips, springs, wear sensor indicators and, noise, vibration and harshness (“NVH”) shims for brake pads. The Company is the number one manufacturer of backing plates and brake shoes used in vehicle brake systems and are currently developing a portfolio of components based on fine blanking technology. The company’s main products are metal parts that need to cope with harsh environments and significant physical stress.

Nonylphenol and its ethoxylates is contained in one of the soap used at the deburring process to polish and clean the metal parts.

Nonylphenol and its ethoxylates is not created at the Facility.

**DESCRIPTION OF OPTION TO BE IMPLEMENTED**

Util is planning to reduce the use and air releases of Nonylphenol and its ethoxylates by implementing one option under Materials or Feedstock Substitution category - Substituting soap with a cleaning component without Nonylphenol and its ethoxylates (NP).

**ESTIMATED REDUCTIONS FOR EACH OPTION SELECTED - Nonylphenol and its ethoxylates**

**Anticipated reductions from the implementation of substituting NP-based cleaner.**

	Used	Created	Contained in Product	On-site Releases (tonnes/year)			Disposal (tonnes/year)		Transfer Off-Site for Recycling & Treatment (tonnes/year)
	(tonnes/year)	(tonnes/year)	(tonnes/year)	Air	Water	Land	On-site	Off-site	
Baseline	1.554	0.000	0.000	1.554	0.000	0.000	0.000	0.000	0.000
New Estimated Amount	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Reduction	1.554	0.000	0.000	1.554	0.000	0.000	0.000	0.000	0.000
% Reduction	100%	0%	0%	100%	0%	0%	0%	0%	0%

**TIMELINES FOR ACHIEVING THE ESTIMATED REDUCTION IN USE AND OR CREATION (IF ANY) - Nonylphenol and its ethoxyla**

The following option has been identified for implementation to reduce the use and air releases of Nonylphenol and its ethoxylates:

- Substituting soap with a cleaning component without Nonylphenol and its ethoxylates – to be implemented by the end of 2017 and full estimated reductions by the end of 2018. This option will be implemented only if the new cleaner meets the client’s approval.

**STATEMENT THAT THE PLAN SUMMARY REFLECTS THE PLAN**

This Plan Summary accurately reflects the Toxic Reduction Plan for the Nonylphenol and its ethoxylates (CAS # NA - 20) dated December 19, 2016.

**CERTIFICATION BY HIGHEST RANKING EMPLOYEE**

As of December 19, 2016, I, Frank Taraschi, 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.

Tetrachloroethylene  
Nonylphenol and Its Ethoxylates

[CAS # 127-18-4]  
[CAS # NA - 20]

December 19, 2016  
December 19, 2016



December 19, 2016  
Date

Frank Taraschi  
President & CEO of Util Canada  
(Highest Ranking Employee)

**CERTIFICATION BY LICENSED PLANNER**

As of December 19, 2016, I, Mihaela Draghici, that I am familiar with the processes at Util Canada Limited 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.

Tetrachloroethylene  
Nonylphenol and Its Ethoxylates

[CAS # 127-18-4]  
[CAS # NA - 20]

December 19, 2016  
December 19, 2016



December 19, 2016  
Date

Mihaela Draghici  
Environmental Consultant  
Envirovision Inc.  
Toxic Substance Reduction Planner, TSRP0131