

2017 Public Annual Report Toxic Substance Reduction Act Downsview Woodworking Ltd.

1.0 Basic Facility Information

Downsview Woodworking Ltd. (Downsview Kitchens) is specialized in the manufacture and delivery of custom kitchen cabinets that meet the most stringent manufacturing requirements and present excellent quality and craftsmanship.

Basic Facility Information			
The legal and trade names of the owner and the operator of the facility, the street address of the facility and if the mailing address of the facility is different from the street address, the mailing address. (See below)	Downsview Woodworking Ltd. 2635 Rena Road Mississauga, ON L4T 1G6		
Facility NPRI identification number	7241		
The identification number assigned to the facility by the Ministry of the Environment for the purposes of Ontario Regulation 127/01	8520		
Number of full-time employee equivalents	212		
North American Industry Clarification System (NAICS) 2, 4, and 6 digit codes	33	3371	337110
Spatial Coordinates	Lat : 43.7086 , Long : -79.6652		

Contact Information			
Role	Name	Position	Contact information
Coordinated preparation of plan	Tania D'Uva	Human Resources Manager and Controller	905-677-9354 tania@downsviewkitchens.com
Prepared plan	Tania D'Uva	Human Resources Manager and Controller	905-677-9354 tania@downsviewkitchens.com
Public contact	Tania D'Uva	Human Resources Manager and Controller	905-677-9354 tania@downsviewkitchens.com
Highest Ranking Employee	Tania D'Uva	Human Resources Manager and Controller	905-677-9354 tania@downsviewkitchens.com
Certifying Official	Tania D'Uva	Human Resources Manager and Controller	905-677-9354 tania@downsviewkitchens.com
Certifying Planner	Ron Taylor	License # TSRP0027	905-793-9809 ex 2284 ron.taylor@exp.com
Legal name of Canadian parent company if facility is a subsidiary of a Canadian parent company			N.A.

2.0 Facility's approach to toxic substance accounting

Based on our review of the NAICS code and contaminants reported under NPRI, reporting will be required under the Toxic Reduction Act (TRA) O.Reg. 125/10. The TRA includes all the substances listed in the NPRI given under the Canadian Environmental Protection Act. The act applies to all Ontario manufacturing facilities that are required to provide information to NPRI and/or report under O.Reg. 127/01 for acetone.

As part of Phase II of the TRA, all of substances listed on NPRI Notice for 2016 and 2017 plus acetone are required to be considered for the 2017 annual reporting. Based on EXP's review of the 2017 NPRI, Downsview Kitchens is required to report for ten (10) substances: acetone, methanol, methyl ethyl ketone

(MEK), styrene, propylene glycol methyl ether acetate (PGMEA), toluene, n-butyl acetate, ethyl acetate, xylene, and heavy aromatic solvent naphtha.

As required by the Toxic Reduction Act, a summary of toxic substance accounting from the facility must be shared annually with the public. The amounts used, recycled off-site and contained in finished products are listed below.

Substance	Acetone
CAS Number	67-64-1
Units	Tonnes
On a facility-wide basis	
Amount that entered the facility as the substance itself or as a constituent of another substance:	15.1
The amount that was created:	0
The amount that was contained in product:	0
The amount of substance released to air:	10.5
The amount of substance released to land:	0
The amount of substance released to water:	0
The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0
The amount of substance transferred offsite for treatment:	4.6

Substance	Methanol
CAS Number	67-56-1
Units	Tonnes
On a facility-wide basis	
Amount that entered the facility as the substance itself or as a constituent of another substance:	3.9
The amount that was created:	0
The amount that was contained in product:	0
The amount of substance released to air:	2.7
The amount of substance released to land:	0
The amount of substance released to water:	0
The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0
The amount of substance transferred offsite for treatment:	1.2

Substance	MEK
CAS Number	78-93-3
Units	Tonnes
On a facility-wide basis	
Amount that entered the facility as the substance itself or as a constituent of another substance:	11.1
The amount that was created:	0
The amount that was contained in product:	0
The amount of substance released to air:	7.7
The amount of substance released to land:	0
The amount of substance released to water:	0

The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0
The amount of substance transferred offsite for treatment:	3.4

Substance	Styrene
CAS Number	100-42-5
Units	Tonnes
On a facility-wide basis	
Amount that entered the facility as the substance itself or as a constituent of another substance:	2.3
The amount that was created:	0
The amount that was contained in product:	0
The amount of substance released to air:	1.6
The amount of substance released to land:	0
The amount of substance released to water:	0
The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0
The amount of substance transferred offsite for treatment:	0.7

Substance	PGMEA
CAS Number	108-65-6
Units	Tonnes
On a facility-wide basis	
Amount that entered the facility as the substance itself or as a constituent of another substance:	1.8
The amount that was created:	0
The amount that was contained in product:	0
The amount of substance released to air:	1.3
The amount of substance released to land:	0
The amount of substance released to water:	0
The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0
The amount of substance transferred offsite for treatment:	0.6

Substance	Toluene
CAS Number	108-88-3
Units	Tonnes
On a facility-wide basis	
Amount that entered the facility as the substance itself or as a constituent of another substance:	16.3
The amount that was created:	0
The amount that was contained in product:	0
The amount of substance released to air:	11.3
The amount of substance released to land:	0
The amount of substance released to water:	0
The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0

The amount of substance transferred offsite for treatment:	4.9
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Substance	n-Butyl acetate
CAS Number	123-86-4
Units	Tonnes
On a facility-wide basis	
Amount that entered the facility as the substance itself or as a constituent of another substance:	46.9
The amount that was created:	0
The amount that was contained in product:	0
The amount of substance released to air:	32.7
The amount of substance released to land:	0
The amount of substance released to water:	0
The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0
The amount of substance transferred offsite for treatment:	14.2

Substance	Ethyl acetate
CAS Number	141-78-6
Units	Tonnes
On a facility-wide basis	
Amount that entered the facility as the substance itself or as a constituent of another substance:	11.7
The amount that was created:	0
The amount that was contained in product:	0
The amount of substance released to air:	8.2
The amount of substance released to land:	0
The amount of substance released to water:	0
The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0
The amount of substance transferred offsite for treatment:	3.5

Substance	Xylene
CAS Number	1330-20-7
Units	Tonnes
On a facility-wide basis	
Amount that entered the facility as the substance itself or as a constituent of another substance:	16.4
The amount that was created:	0
The amount that was contained in product:	0
The amount of substance released to air:	11.4
The amount of substance released to land:	0
The amount of substance released to water:	0
The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0

The amount of substance transferred offsite for treatment:	5.0
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Substance	Heavy aromatic solvent naphtha
CAS Number	64742-94-5
Units	Tonnes
On a facility-wide basis	
Amount that entered the facility as the substance itself or as a constituent of another substance:	2.8
The amount that was created:	0
The amount that was contained in product:	0
The amount of substance released to air:	1.9
The amount of substance released to land:	0
The amount of substance released to water:	0
The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0
The amount of substance transferred offsite for treatment:	0.8

3.0 Facility's objectives and targets

Downsview Kitchens intends to reduce its use of acetone, toluene, xylene, ethyl acetate, solvent naphtha, methanol, MEK, n-butyl acetate, PGMEA, and styrene by implementing improved quality controls, operating procedures, and employee training programs to minimize the amount of deficiencies requiring re-painting.

Downsview Kitchens aims to reduce the use of paints, thinners, catalysts, and solvents by 5% through implemented quality controls, operating procedures, and employee training programs.

4.0 Facility's progress in reducing toxic substances

Table 1 provides TRA quantifications, progress and comparison between the current reporting period (2017) and the most recent reporting year (2016). The method used was a mass balance approach based on purchase records and emission factors. There was no change in the tracking and quantification methodology used.

Table 1: Comparison Report – MPO, Emissions and Recycling Quantification – 2017 vs 2016

Substance	2017			2016			Change* 2017 vs 2016			% Change* 2017 vs 2016		
	MPO	E	R	MPO	E	R	MPO	E	R	MPO	E	R
Methanol	3.9	2.7	1.2	3.9	2.6	1.3	0.0	0.1	-0.1	1.2	5.6	-7.8
Acetone	15.1	10.5	4.6	15.7	10.5	5.2	-0.6	0.0	-0.7	-4.1	0.1	-12.6
Methyl Ethyl Ketone	11.1	7.7	3.4	11.0	7.4	3.7	0.0	0.4	-0.3	0.4	4.8	-8.4
Styrene	2.3	1.6	0.7	4.3	2.9	1.4	-1.9	-1.2	-0.7	-45.0	-42.6	-49.9
Propylene glycol methyl ether acetate	1.8	1.3	0.6	1.9	1.3	0.6	-0.1	0.0	-0.1	-2.9	1.4	-11.4
Toluene	16.3	11.3	4.9	16.3	10.9	5.4	0.0	0.5	-0.5	-0.2	4.2	-9.0
n-Butyl Acetate	46.9	32.7	14.2	46.7	31.2	15.5	0.1	1.5	-1.3	0.3	4.7	-8.5
Ethyl Acetate	11.7	8.2	3.5	12.5	8.3	4.1	-0.8	-0.2	-0.6	-6.2	-2.1	-14.5
Xylene	16.4	11.4	5.0	15.9	10.6	5.3	0.4	0.8	-0.3	2.7	7.2	-6.4
Solvent naphtha heavy aromatic	2.8	1.9	0.8	3.1	2.1	1.0	-0.3	-0.1	-0.2	-9.8	-5.9	-17.8

* Change = (annual Amounts - base year Amounts)

MPO: Manufactured, processed, or otherwise used

E: Emissions

R: Recycled

5.0 Progress of Plan Implementation

An assessment of the facility's progress in implementing its plan is the final requirement which must be reported to the public. This section must indicate whether the facility has achieved any of its plan objectives.

As per the TRA Plan, Downsview Kitchens intends to reduce its use of acetone, toluene, xylene, ethyl acetate, solvent naphtha, methanol, MEK, n-butyl acetate, PGMEA, and styrene by implementing improved quality controls, operating procedures, and employee training programs to minimize the amount of deficiencies requiring re-painting.

As demonstrated in Table 1, several substances have decreased in usage and emissions, most notably styrene. Increases in usage and emissions are primarily attributed to varying client demand for specific paints and finishes. As a custom kitchens manufacturer, Downsview Kitchens is unable to relate substance usage to production metrics as production and materials usage varies annually based on client specifications and market trends.

6.0 Certification

Electronic certification statement provided below, as submitted through the Environment Canada Single Window Information Manager system.

ON MOE TRA - Electronic Certification Statement

Annual Report Certification Statement

As of 01/06/2018, I, Tania D'Uva, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

TRA Substance List

CAS RN	Substance Name
67-64-1	Acetone
141-78-6	Ethyl acetate
64742-94-5	Heavy aromatic solvent naphtha
67-56-1	Methanol
78-93-3	Methyl ethyl ketone
123-86-4	n-Butyl acetate
108-65-6	Propylene glycol methyl ether acetate
100-42-5	Styrene
108-88-3	Toluene
1330-20-7	Xylene (all isomers)

Company Name

Downsview Woodworking Limited

Highest Ranking Employee

Tania D'Uva

Report Submitted by

Tania D'uva

Website address

www.downsviewkitchens.com

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.