

Toxics Reduction Act - Public Summary Report - 2017 Reporting Year

1.0 Basic Facility Information

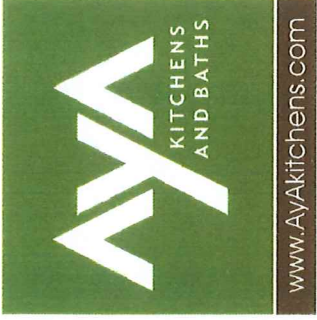
NPRI Number	247
O Reg 127/01 Number	11162
Number of full time employee equivalents	300
NAICS Code (2 digit)	31-33 - Manufacturing
NAICS Code (4 digit)	3371 - Household and institutional furniture and kitchen cabinet manufacturing
NAICS Code (6 digit)	337110 - Wood kitchen cabinet and counter top manufacturing
UTM Coordinates	17 T 614956 m E 4828988 m N
Company Legal Name	AyA Kitchens & Baths Ltd.
Company Trade Name	AyA Kitchens & Baths Ltd.
Public Contact	Victor dos Santos Manager, Engineering 1551 Caterpillar Road Mississauga, ON L4X 2Z6 Tel: (905) 848-1999 ext. 306 Email: vdossantos@ayakitchens.com

2.0 Toxic Substance Accounting

(tonne)	Toluene	PM2.5 - Particulate Matter <= 2.5 Microns	PM10 - Particulate Matter <= 10 Microns	Volatile Organic Compounds	n-Butyl Acetate	Ethyl Acetate	Ethyl Alcohol	Isopropyl Alcohol	Methanol	Methyl Ethyl Ketone	Xylene (all isomers)	Acetone
	108-88-3	NA - M10	NA - M09	NA - M16	123-86-4	141-78-6	64-17-5	67-63-0	67-56-1	78-93-3	1330-20-7	67-64-1
MPO	> 10 to 100			> 100 to 1000	> 10 to 100	> 10 to 100	> 10 to 100	> 1 to 10	> 1 to 10	> 1 to 10	> 1 to 10	> 1 to 10
Used	> 10 to 100			> 100 to 1000	> 10 to 100	> 10 to 100	> 10 to 100	> 1 to 10	> 1 to 10	> 1 to 10	> 1 to 10	> 1 to 10
Created		> 1 to 10	> 1 to 10	> 0 to 1								
Air	> 1 to 10	> 1 to 10	> 1 to 10	> 10 to 100	> 10 to 100	> 1 to 10	> 10 to 100	> 1 to 10	> 1 to 10	> 1 to 10	> 1 to 10	> 1 to 10
Disposed	> 0 to 1			> 10 to 100	> 1 to 10	> 1 to 10	> 1 to 10	> 0 to 1	> 1 to 10	> 1 to 10	> 0 to 1	> 0 to 1
Recycled	> 10 to 100			> 10 to 100	> 1 to 10	> 1 to 10	> 1 to 10	> 1 to 10	> 1 to 10	> 1 to 10	> 10 to 100	> 1 to 10
Sewage												
Spills												
Landfill												
On Part	0			> 1 to 10	0	0	0	0	0	0	0	0

Toluene, n-Butyl Acetate, Ethyl Acetate, Ethyl Alcohol, Isopropyl Alcohol, Methanol, Methyl Ethyl Ketone, Xylene, and Acetone are all constituents of the paints and varnishes used to finish the cabinetry pieces or solvents used to clean equipment at the Facility. Particulate Matter is produced during the construction and assembly of cabinetry pieces at the Facility. The Facility manufactures cabinetry for use in kitchens and bathrooms.

As per the plan objectives, at the time of writing, AyA did not intend to reduce the use of Toluene, Ethyl Alcohol, Isopropyl Alcohol, Methanol, Xylene, and Acetone, but would continue to conduct further research to identify new reduction options and to keep up with industry standards with regards to these substances. Although AyA does not



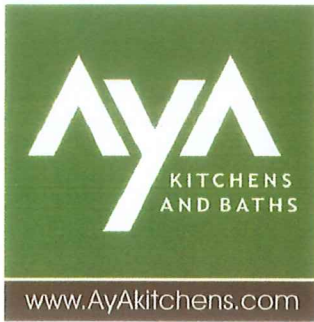
intend to further reduce the creation of Particulate Matter, they will continue to conduct further research to identify new reduction options and to keep up with industry standards with regards to PM pollution prevention.



For the 2017 reporting year, 2-Butoxyethanol, Methyl Isobutyl Ketone, Solvent Naphtha Light Aliphatic, and Solvent Naphtha Medium Aliphatic did not meet reporting criteria. Exit records were created for Methyl Isobutyl Ketone and Solvent Naphtha Light Aliphatic for the 2017 reporting year. Exit records for 2-Butoxyethanol and Solvent Naphtha Medium Aliphatic were created in previous years.

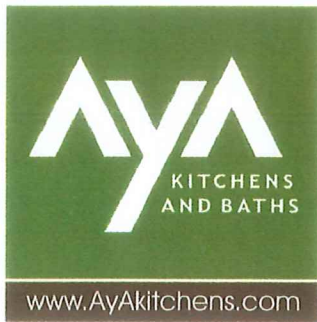
No amendments were made to the Toxic Reduction Act Plans for Methanol, Methyl Ethyl Ketone, Toluene, 2-Butoxyethanol, n-Butyl Acetate, Ethyl Acetate, Ethyl Alcohol, Isopropyl Alcohol, Xylene, Methyl Isobutyl Ketone, Solvent Naphtha Light Aliphatic, Solvent Naphtha Medium Aliphatic, Acetone and Particulate Matter (PM10 & PM2.5).

Substance	Year	Amount Used	Change
Toluene	2016	> 10 to 100	-77.05%,
	2017	> 10 to 100	-48.25 tonnes
Volatile Organic Compounds	2016	> 100 to 1000	-10.70%,
	2017	> 100 to 1000	-24.15 tonnes
n-Butyl Acetate	2016	> 10 to 100	+62.11%,
	2017	> 10 to 100	+25.51 tonnes
Ethyl Acetate	2016	> 10 to 100	-53.97%,
	2017	> 10 to 100	-17.00 tonnes
Ethyl Alcohol	2016	> 10 to 100	+80.27%,
	2017	> 10 to 100	+25.42 tonnes
Isopropyl Alcohol	2016	> 1 to 10	+7.81%,
	2017	> 1 to 10	+0.40 tonnes
Methanol	2016	> 10 to 100	-43.06%,
	2017	> 1 to 10	-7.35 tonnes
Methyl Ethyl Ketone	2016	> 10 to 100	-56.18%,
	2017	> 1 to 10	-6.50 tonnes
Xylene (all isomers)	2016	> 1 to 10	-12.16%,
	2017	> 1 to 10	-0.94 tonnes
Acetone	2016	> 10 to 100	-68.31%,
	2017	> 1 to 10	-13.73 tonnes

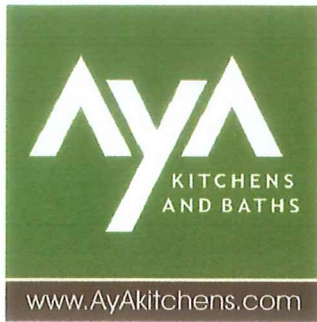


Substance	Year	Amount Created	Change
Particulate Matter <= 2.5 Microns	2016	> 1 to 10	-22.02%,
	2017	> 1 to 10	-1.22 tonnes
Particulate Matter <= 10 Microns	2016	> 1 to 10	-22.02%,
	2017	> 1 to 10	-1.22 tonnes

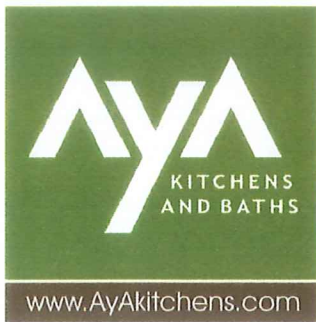
Substance	Year	Amount Released to Air	Change
Toluene	2016	> 10 to 100	-73.51%,
	2017	> 1 to 10	-19.62 tonnes
Particulate Matter <= 2.5 Microns	2016	> 1 to 10	-22.02%,
	2017	> 1 to 10	-1.22 tonnes
Particulate Matter <= 10 Microns	2016	> 1 to 10	-22.02%,
	2017	> 1 to 10	-1.22 tonnes
Volatile Organic Compounds	2016	> 100 to 1000	-41.12%,
	2017	> 10 to 100	-49.61 tonnes
n-Butyl Acetate	2016	> 10 to 100	-51.37%,
	2017	> 10 to 100	-17.14 tonnes
Ethyl Acetate	2016	> 10 to 100	-47.91%,
	2017	> 1 to 10	-8.01 tonnes
Ethyl Alcohol	2016	> 10 to 100	-26.36%,
	2017	> 10 to 100	-6.16 tonnes
Isopropyl Alcohol	2016	> 1 to 10	-22.31%,
	2017	> 1 to 10	-0.67 tonnes
Methanol	2016	> 1 to 10	-61.23%,
	2017	> 1 to 10	-5.52 tonnes
Methyl Ethyl Ketone	2016	> 1 to 10	-31.20%,
	2017	> 1 to 10	-1.22 tonnes
Xylene (all isomers)	2016	> 1 to 10	-6.05%,
	2017	> 1 to 10	-0.23 tonnes
Acetone	2016	> 10 to 100	-70.60%,
	2017	> 1 to 10	-9.15 tonnes



Substance	Year	Amount Disposed	Change
Toluene	2016	> 10 to 100	-95.63%
	2017	> 0 to 1	-9.62 tonnes
Volatile Organic Compounds	2016	> 10 to 100	-11.68%
	2017	> 10 to 100	-3.68 tonnes
n-Butyl Acetate	2016	> 1 to 10	+201.8%
	2017	> 1 to 10	+6.36 tonnes
Ethyl Acetate	2016	> 1 to 10	-43.05%
	2017	> 1 to 10	-3.23 tonnes
Ethyl Alcohol	2016	> 1 to 10	+185.6%
	2017	> 1 to 10	+5.08 tonnes
Isopropyl Alcohol	2016	> 0 to 1	+41.35%
	2017	> 0 to 1	+0.18 tonnes
Methanol	2016	> 1 to 10	-60.29%
	2017	> 1 to 10	-2.08 tonnes
Methyl Ethyl Ketone	2016	> 1 to 10	-51.00%
	2017	> 1 to 10	-1.26 tonnes
Xylene (all isomers)	2016	> 0 to 1	-25.28%
	2017	> 0 to 1	-0.21 tonnes
Acetone	2016	> 1 to 10	-90.84%
	2017	> 0 to 1	-1.96 tonnes

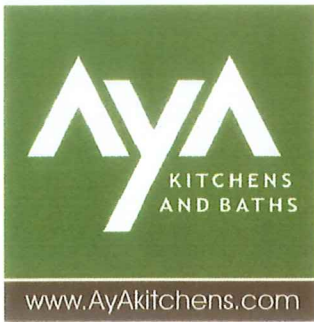


Substance	Year	Amount Recycled	Change
Toluene	2016	> 10 to 100	+12.15%,
	2017	> 10 to 100	+3.14 tonnes
Volatile Organic Compounds	2016	> 10 to 100	+10.55%,
	2017	> 10 to 100	+7.64 tonnes
n-Butyl Acetate	2016	> 1 to 10	+38.13%,
	2017	> 1 to 10	+1.74 tonnes
Ethyl Acetate	2016	> 1 to 10	-31.38%,
	2017	> 1 to 10	-2.28 tonnes
Ethyl Alcohol	2016	> 1 to 10	-63.75%,
	2017	> 1 to 10	-3.54 tonnes
Isopropyl Alcohol	2016	> 1 to 10	-13.02%,
	2017	> 1 to 10	-0.22 tonnes
Methanol	2016	> 1 to 10	-46.68%,
	2017	> 1 to 10	-2.15 tonnes
Methyl Ethyl Ketone	2016	> 1 to 10	+11.11%,
	2017	> 1 to 10	+0.62 tonnes
Xylene (all isomers)	2016	> 1 to 10	+134.6%
	2017	> 10 to 100	+6.42 tonnes
Acetone	2016	> 1 to 10	-15.50%,
	2017	> 1 to 10	-0.77 tonnes



Substance	Year	Amount Contained in Product	Change
Toluene	2016	0	0.0%,
	2017	0	0.0 tonnes
Volatile Organic Compounds	2016	> 1 to 10	+157.0%,
	2017	> 1 to 10	+1.77 tonnes
n-Butyl Acetate	2016	0	0.0%,
	2017	0	0.0 tonnes
Ethyl Acetate	2016	0	0.0%,
	2017	0	0.0 tonnes
Ethyl Alcohol	2016	0	0.0%,
	2017	0	0.0 tonnes
Isopropyl Alcohol	2016	0	0.0%,
	2017	0	0.0 tonnes
Methanol	2016	0	0.0%,
	2017	0	0.0 tonnes
Methyl Ethyl Ketone	2016	0	0.0%,
	2017	0	0.0 tonnes
Xylene (all isomers)	2016	0	0.0%,
	2017	0	0.0 tonnes
Acetone	2016	0	0.0%,
	2017	0	0.0 tonnes

Reasons for changes from previous year are due to changes in production levels.



3.0 Signed Certification Statement

As of 20/09/2018, I, Dave Marcus, 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.

Acetone (CAS RN: 67-64-1)

Ethanol (CAS RN: 64-17-5)

Ethyl Acetate (CAS RN: 171-78-6)

Isopropyl Alcohol (CAS RN: 67-63-0)

Methanol (CAS RN: 67-56-1)

Methyl Ethyl Ketone (CAS RN: 78-93-3)

n-Butyl Acetate (CAS RN: 123-86-4)

PM10 - Particulate Matter (CAS RN: NA - M09)

PM2.5 - Particulate Matter (CAS RN: NA - M10)

Toluene (CAS RN: 108-88-3)

Xylene (all isomers) (CAS RN: 1330-20-7)

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by signing below I am signing the statement(s). 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.

Dave Marcus, President