

**Irving Consumer Products Limited**  
Ontario's Toxic Reduction Act - Public Report

**Date of Most Recent Plan** May 30<sup>th</sup>, 2018 - Toxic Substance Reduction Plan - Volatile Organic Compounds

**Report Date:** May 31<sup>th</sup> 2019

This Public Report covers the following groups of substances:

Substance Name	Chemical Abstracts Service (CAS) No.
By-Products of Combustion	
Nitrogen Oxides (NOx)	11104-93-1
Carbon Monoxide (CO)	630-08-0
Particulate Matter	
Particulate Matter (PM)	N/A-M08
Particulate Matter <10 mm diameter (PM10)	N/A-M09
Particulate Matter <2.5 mm diameter (PM2.5)	N/A-M10
Volatile Organic Compounds (VOC)	NA - M16
Butane (Mixed Isomers)	NA - 24
Butane	106-97-8
Pentane (Mixed Isomers)	NA - 35
Pentane	109-66-0
Methyl Alcohol	67-56-1
Propane	74-98-6
Solvent Naphtha Medium Aliphatic	64742-88-7
White Mineral Oil	8042-47-5

**Objectives and Targets of the Plans**

The facility has set the following specific objectives intended to support the Statement of Intent through ongoing efforts to reduce the creation and/or release of toxic substances through

*All Substances\** - The development and implementation of programs to improve energy efficiency and minimize emissions.

*PM, PM10, PM2.5 Only\*\** - Ongoing improvements to the facility's fugitive dust management activities to reduce the overall particulate emissions from the site.

*VOC's Only\*\*\** - Where feasible, reduce the quantity of toxic substances (including VOCs) used, created and released by continuing to pursue process

efficiency improvements throughout the facility; and

- Where feasible, replace and/or eliminate the use of products containing toxic substances (including VOCs) with those containing less (or non)-hazardous substances by liaising with external suppliers and evaluating alternative products

There have been no Targets set for these Objectives

**Facility Identification and Address**

<b>Company Name</b>	Irving Consumer Products Limited
<b>Facility Name</b>	Irving Consumer Products Limited
<b>Facility Physical Address</b>	
Street	1551 Weston Rd
City	Toronto
Province	Ontario
Postal Code	M6M 4Y4
<b>Facility Mailing Address</b>	Same as above
<b>Facility Location-Geographical Reference</b>	Zone 17U
- <i>*Expressed as UTM Coordinates within the NAD82 data set</i>	UTM Easting 620576
	UTM Northing 4838830
<b>Number of full time employees</b>	350
<b>National Pollutant Release Inventory (NPRI) Identification Number</b>	327
<b>Ontario Regulation 127/01 Identification Number</b>	N/A

**Parent Company Identification and Address**

<b>Parent Company Information</b>	
Name	Irving Consumer Products Limited
Street Address	1551 Weston Rd
City	Toronto
Province	Ontario
Postal Code	M6M 4Y4
<b>Percent Ownership</b>	100%

**Primary North American Industry Classification System (NAICS) Code**

**North American Industry Classification System (NAICS)**

The two-digit NAICS Canada code:	322 – Paper manufacturing
The four-digit NAICS Canada code:	3221 – Pulp, Paper and Paperboard Mills
The six-digit NAICS Canada code:	322121 – Paper (except newsprint) Mills

**Company Contact Information**

**Public Contact**

Name: Kristian Miliucci  
Position: Environmental Leader  
Address: Same as Facility  
Phone No.: 416-246-6595

**Parent Company Contact Information**

See Company Contact Information above

**Progress Towards Implementation of the Plan**

*By-Products of Combustion &*

*Particulate Matter:* No technically and economically feasible toxic substance reduction options have been identified in these plans.

As such no options are available to be implemented.

*VOC's Only* - Progress has been made towards improved identification of VOC's contained in products used in the process so that the company may:

- Substitute products containing toxic substances (where feasible) with comparable alternatives that contain less-hazardous components; and
- Evaluate new products intended for use for their potential to eliminate or reduce the quantity of toxic substances generated and/or released.

**Additional Reduction Activities**

There have been no additional reduction activities.

**Toxic Substance Accounting**

Compound	CAS No.	Year	Used / Entering Process (Tonne/year)	Created (Tonne/year)	Released to Air (Tonne/year)	Released to Land (Tonne/year)	Released to Water (Tonne/year)	Contained in Product (Tonne/year)	Transfers for Disposal (Tonne/year)
Nitrogen Oxides (NOx)	11104-93-	2018	--	56.0	56.0	--	--	--	--
		2017	--	53.1	53.1	--	--	--	--
		Year / Year Change	Percent (%)	--	5.4%	5.4%	--	--	--
			Mass (Tonne)	2.89	2.89	--	--	--	--
Carbon Monoxide (CO)	630-08-0	2018	--	47.1	47.1	--	--	--	--
		2017	--	44.8	44.8	--	--	--	--
		Year / Year Change	Percent (%)	--	5.1%	4.8%	--	--	--
			Mass (Tonne)	2.28	2.28	--	--	--	--
PM	N/A-M08	2018	--	30.8	30.8	--	--	--	--
		2017	--	33.5	33.5	--	--	--	--
		Year / Year Change	Percent (%)	--	-8%	-9%	--	--	--
			Mass (Tonne)	-2.70	-2.70	--	--	--	--
PM10	N/A-M09	2018	--	30.8	30.8	--	--	--	--
		2017	--	33.5	33.5	--	--	--	--
		Year / Year Change	Percent (%)	--	-8%	-9%	--	--	--
			Mass (Tonne)	-2.70	-2.70	--	--	--	--
PM2.5	N/A-M10	2018	--	30.8	30.8	--	--	--	--
		2017	--	33.5	33.5	--	--	--	--
		Year / Year Change	Percent (%)	--	-8%	-9%	--	--	--
			Mass (Tonne)	-2.70	-2.70	--	--	--	--
<b>Volatile Organic Compounds (VOC)</b>									
Total VOC	NA - M16	2018	71.7	16.1	87.8	--	--	--	--
		2017	55.4	15.8	71.2	--	--	--	--
		Year / Year Change	Percent (%)	29%	2%	19%	--	--	--
			Mass (Tonne)	16.32	0.33	16.65	--	--	--
<b>VOC Species</b>									
Butane (Mixed Isomers)	NA - 24	2018	--	1.2	1.2	--	--	--	--
		2017	--	1.2	1.2	--	--	--	--
		Year / Year Change	Percent (%)	--	5%	5%	--	--	--
			Mass (Tonne)	0.06	0.06	--	--	--	--
Pentane (Mixed Isomers)	NA - 35	2018	--	1.2	1.2	--	--	--	--
		2017	--	1.1	1.1	--	--	--	--
		Year / Year Change	Percent (%)	--	5%	5%	--	--	--
			Mass (Tonne)	0.06	0.06	--	--	--	--
Methyl Alcohol	67-56-1	2018	1.7	0.5	2.3	--	--	--	--
		2017	1.5	0.5	2.0	--	--	--	--
		Year / Year Change	Percent (%)	15%	6%	11%	--	--	--
			Mass (Tonne)	0.23	0.24	--	--	--	--
Propane	74-98-6	2018	7.0	0.9	7.9	--	--	--	--
		2017	7.0	0.9	7.9	--	--	--	--
		Year / Year Change	Percent (%)	0%	0%	0%	--	--	--
			Mass (Tonne)	0.00	0.00	--	--	--	--
Solvent Naphtha Medium	64742-88-	2018	19.9	0.0	19.9	--	--	--	--
		2017	5.4	0.0	5.4	--	--	--	--
		Year / Year Change	Percent (%)	270%	0%	73%	--	--	--
			Mass (Tonne)	14.53	14.53	--	--	--	--
White Mineral Oil	8042-47-5	2018	4.5	0.0	4.5	--	--	--	--
		2017	4.8	0.0	4.8	--	--	--	--
		Year / Year Change	Percent (%)	--	0%	-7%	--	--	--
			Mass (Tonne)	0.00	-0.31	--	--	--	--

**Plan Amendments**

There were no amendments made to the Plan during 2018.

**Other Toxic Substances Requiring Plans to be Prepared**

There are eight (8) Part 5 NPRI reportable VOC species that required Plans to be Prepared. These plans were prepared and certified as of May 2018.

**Certification**

As of May 31, 2018, I certify that I have read the reports on the toxic substance reduction plans for the above listed compounds, and to the best of my knowledge the information contained in the report is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under the Act.

**Highest Ranking Employee / Certifying Official:**

*COPY - Original TRA Reports Signed*

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Stewart Van Horn  
Plant Manager