

Toxic Reduction Act, 2009 Public Report - 2018 Reporting Year

In accordance with Toxics Reduction Act, 2009 and Ontario Regulation 455/09, Revolution VSC Acquisition GP Inc. (formerly Tonolli Canada) provides this public summary report of its 2018 Toxics Reduction Act Report for its Mississauga ON facility located at 1333 Tonolli Road.

Facility Name: Revolution VSC Acquisition GP Inc.
 Address 1: 1333 Tonolli Road
 City: Mississauga
 Province: Ontario
 Postal Code: L4Y 4C2

NPRI ID: 2256
 Ontario Reg. 127/01 ID: n/a
 NAICS 6 Code: 331490 - Non-ferrous metal (except Copper & Aluminum) rolling, drawing and alloying.
 Number of full-time equivalent employees at the facility: 85
 UTM coordinates: Latitude: 43.60220
 Longitude: -79.58110
 UTM Zone: 17.00000
 UTM Easting: 614516.94
 UTM Northing: 4828669.62
 Public Contact:
 Name: Ross Atkinson
 Title: V P Lead Operations Phone: 905-279-9555

Legal name of Canadian parent company, if your facility is a subsidiary of a Canadian parent company
 Parent company name: Terrapure Environmental
 Address: 1110 Burloak Drive, Suite 500,
 City: Burlington
 Province: Ontario
 Postal Code: L7L 6B2

Summary of Reported TRA Data (in bands/ranges):

Substance Name	CASNumber	Enters the Facility (Used)	Created	Contained in Product	Units
Acenaphthene	83-32-9	0	>1 to 10	0	kg
Acenaphthylene	208-96-8	0	>100 to 1000	0	kg
Antimony (and its compounds)	NA - 01	>100 to 1,000	0	>100 to 1,000	tonnes
Arsenic (and its compounds)	NA - 02	>10,000 to 100,000	0	>10,000 to 100,000	kg
Benzo(a)anthracene	56-55-3	0	>1 to 10	0	kg
Benzo(b)fluoranthene	205-99-2	0	>0 to 1	0	kg
Benzo(k)fluoranthene	207-08-9	0	>0 to 1	0	kg
Dioxins and Furans	NA - D/F	0	0	0	g (TEQ)
Fluoranthene	206-44-0	0	>10 to 100	0	kg
Fluorene	86-73-7	0	>10 to 100	0	kg
Hexachlorobenzene	118-74-1	0	0	0	grams
Lead (and its compounds)	NA - 08	>10,000,000 to 100,000,000	0	>10,000,000 to 100,000,000	kg
Phenanthrene	85-01-8	0	>100 to 1000	0	kg
PM10 - Particulate Matter <= 10	NA - M09	0	>100 to 1,000	n/a	tonnes
PM2.5 - Particulate Matter <= 2.5	NA - M10	0	>100 to 1,000	n/a	tonnes
Pyrene	129-00-0	0	>10 to 100	0	kg
Selenium (and its compounds)	NA - 12	>1,000 to 10,000	0	>1,000 to 10,000	kg
Sulphur Dioxide	7446-09-5	0	>1000 to 10000	n/a	tonnes
Sulphuric Acid	7664-93-9	>1,000 to 10,000	0	0	tonnes
Volatile Organic Compounds	NA - M16	0	>10 to 100	n/a	tonnes

Summary of Other Reported Data (same categories as NPRI):

Substance Name	CAS Number	Release Quantity	Disposal Quantity	Recycle Quantity	Units
Acenaphthene	83-32-9	7.40	0	0	kg
Acenaphthylene	208-96-8	367.59	0	0	kg
Antimony (and its compounds)	NA - 01	0.003	63.7000	0	tonnes
Arsenic (and its compounds)	NA - 02	19.00	9727.0000	0	kg
Benzo(a)anthracene	56-55-3	1.06	0	0	kg
Benzo(b)fluoranthene	205-99-2	0.21	0	0	kg
Benzo(k)fluoranthene	207-08-9	0.12	0	0	kg
Dioxins and Furans	NA - D/F	0.0042	0	0	g (TEQ)
Fluoranthene	206-44-0	74.05	0	0	kg
Fluorene	86-73-7	70.61	0	0	kg
Hexachlorobenzene	118-74-1	NI	NA	NA	grams
Lead (and its compounds)	NA - 08	216.00	669505.5100	0	kg
Phenanthrene	85-01-8	515.69	0	0	kg
PM10 - Particulate Matter <= 10	NA - M09	3.4353	00	0	tonnes
PM2.5 - Particulate Matter <=	NA - M10	2.7245	0	0	tonnes
Pyrene	129-00-0	34.64	0	0	kg
Selenium (and its compounds)	NA - 12	0.1235	1615.0000	0	kg
Sulphur Dioxide	7446-09-5	827.41	0	0	tonnes
Sulphuric Acid	7664-93-9	0.43	1145.0000	239.3000	tonnes
Volatile Organic Compounds (VOCs)	NA - M16	49.395	0	0	tonnes

Substance	CAS No.	Units	NPRI Reporting								
			Air			Waste			Recycle		
			2017	2018	% diff	2017	2018	% diff	2017	2018	% diff
Acenaphthene	83-32-9	kg	7.4700	7.40	-0.937082	0		0.0	0.000		0.0
Acenaphthylene	208-96-8	kg	370.8460	367.59	0.88	0		0.0	0.000		0.0
Benzo(a)anthracene	56-55-3	kg	1.0670	1.06	0.66	0		0.0	0.000		0.0
Benzo(b)fluoranthene	205-99-2	kg	0.2130	0.21	1.41	0		0.0	0.000		0.0
Benzo(k)fluoranthene	207-08-9	kg	0.1210	0.12	0.83	0		0.0	0.000		0.0
Fluoranthene	206-44-0	kg	74.7030	74.05	0.87	0		0.0	0.000		0.0
Fluorene	86-73-7	kg	71.2350	70.61	0.88	0		0.0	0.000		0.0
Phenanthrene	85-01-8	kg	520.2520	515.6900	0.88	0		0.0	0.000		0.0
Pyrene	129-00-0	kg	34.9500	34.64	0.89	0		0.0	0.000		0.0
Arsenic (and its compounds)	NA - 02	kg	21.0000	19.00	9.52	6085.0000	9727.0000	59.8521	0.000		0.0
Lead (and its compounds)	NA - 08	kg	204.0000	216.00	5.88	761341.0000	669491.0000	-12.0642	0.000		0.0
Antimony (and its compounds)	NA - 01	tonnes	0.0030	0.003	0.00	10.8560	63.7000	486.7723	0.000		0.0
Sulphuric Acid	7664-93-9	tonnes	0.4710	0.43	-8.70	1095.9960	1,145.0000	4.471184	435.6020	239.3000	-45.06453138
Selenium (and its compounds)	NA - 12	kg	0.0060	0.1235	1958.33	2673.4800	1615.0000	-39.5918	0.000		0.0
Hexachlorobenzene	118-74-1	grams	0	0.0000	N/A	0		0.0	0.000		0.0
Dioxins and Furans	NA - D/F	g (TEQ)	0.0019	0.0042	121.05	0		0.0	0.000		0.0
PM10 - Particulate Matter<= 10 Microns	NA - M09	tonnes	3.6221	3.4353	5.16	0		0.0	0.000		0.0
PM2.5 - Particulate Matter<=	NA - M10	tonnes	3.2026	2.7245	14.93	0		0.0	0.000		0.0
Sulphur Dioxide	7446-09-5	tonnes	1464.8600	827.41	43.52	0		0.0	0.000		0.0
Volatile Organic Compounds (VOCs)	NA - M16	tonnes	30.0000	49.395	64.7	0		0.0	0.000	0.000	0.0

NOTE: N/A - not applicable

Summary of Reasons for Changes in Quantities

If the change is less than 10%, it is not considered to be significant.

Changes are due to:

- increase in furnace hours
- differences in percentages of materials contained in starting and/or end product
- new stack testing performed in 2015

Toxic Reduction Plan Objectives and Targets

Revolution VSC Acquisition GP Inc. does not currently intend to reduce the use of these toxic substances at the facility because no technically and economically feasible reduction options could be identified. As a result there are no targets set out in the current version of the plans.

ON MOE TRA - Electronic Statement of Certification Annual Report

Certification Statement

TRA Substance List

CAS RN	Substance Name
118-74-1	Hexachlorobenzene
129-00-0	Pyrene
205-99-2	Benzo(b)fluoranthene
206-44-0	Fluoranthene
207-08-9	Benzo(k)fluoranthene
208-96-8	Acenaphthylene
56-55-3	Benzo(a)anthracene
05/09/7446	Sulphur dioxide
7664-93-9	Sulphuric Acid
83-32-9	Acenaphthene
85-01-8	Phenanthrene
86-73-7	Fluorene
NA - 01	Antimony (and its compounds)
NA-02	Arsenic (and its compound)
NA - 08	Lead (and its compounds)
NA - 12	Selenium (and its compounds)
NA-DF	Dioxins and Furans-total
NA - M09	PM10 - Particulate Matter <= 10 Microns
NA-M10	PM2.5- Particulate Matter<= 2.5 Microns
NA-M16	Volatile Organic Compounds (VOCS)

Company Name: Revolution VSC Acquisition GP Inc

Highest Ranking Employee: Ross Atkinson

Report Submitted by (or authorized delegate): Demiss Belette

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.

Report submitted:

Period	Submission	Facility Name	Province	City	Programs
2018	03/06/2018	(see above)	Ontario	Mississauga	NPRI, ON MOE TRA