

Toxics Reduction Act Public Annual Report for 2016 Calendar Year

This report was prepared for the purposes of Ontario Regulation 455/09, Toxics Reduction Act, 2009 and the Ontario Toxics Reduction Program managed by the Ontario Ministry of the Environment and Climate Change(MOECC). The Ontario MOECC has mandated manufacturing facilities in Ontario to evaluate their processes in detail and to report on this evaluation to the public. As such, Ivaco Rolling Mills (IRM) has posted the 2016 Annual report to its corporate website (www.ivacorm.com) to make the information available to the public. Ivaco Rolling Mills has posted similar data to the public website for the Environment Canada's National Pollutant Release Inventory program since 1996. The values posted here represent the total annual movement of elements or specific compounds. The reported elements or compounds, if present, are present at trace concentrations within IRM materials. In some cases, values indicated to be zero may represent the undetectable presence of a substance using commonly available scientific methods. Some of the substances have been reported as a range. The ranges were developed by the MOECC and the actual values for Ivaco Rolling Mills are within these ranges.

As part of the Toxics Reduction Act Ivaco Rolling Mills continues to evaluate the movement of these substances within its operations on an annual basis. A toxics reduction plan has been developed for all of these substances at the site. Ivaco Rolling Mills is fully committed to protecting its employees and the surrounding community and continuously strives to improve its environmental performance.

Facility Information :	Ivaco Rolling Mills 2004 LP 1040 County Road 17, Box 322 L'Orignal, ON, K0B 1K0	UTM coordinates, x and y:	522923	5051092
Facility NPRI identification number:	1520	Zone:	zone 18T	
The identification number assigned to the facility by the Ministry of the Environment for the purposes of Ontario Regulation 127/01:	5104	TRA Planner:	Camille Taylor, Golder Associates Ltd., TSRP 0283	
Number of full-time employees:	472			
North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes	33 3311 331110			

Toxic Substance	CAS No.	Units	Used		Created		Contained in Product		Comment if Change > +/- 10%
			Tonnes in 2016	% Change from 2015	Tonnes in 2016	% Change from 2015	Tonnes in 2016	% Change from 2015	
Aluminum (fume or dust)	7429-90-5	tonnes	0	—	>10 to 100	19%	0	—	Change in source testing results for 2016
Arsenic	no single CAS applies	kg	>10000 to 100000	6%	0	—	>100 to 1000	6%	—
Cadmium	no single CAS applies	kg	>1000 to 10000	2%	0	—	>10 to 100	6%	—
Lead	no single CAS applies	kg	>10000 to 100000	2%	0	—	>1000 to 10000	6%	—
Manganese	no single CAS applies	tonnes	>1000 to 10000	16%	0	—	>1000 to 10000	<1%	Change in source testing results for 2016
Mercury	no single CAS applies	kg	>10 to 100	2%	0	—	0	—	—
Zinc	no single CAS applies	tonnes	>1000 to 10000	50%	0	—	>10 to 100	6%	—
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	g TEQ	0	—	>0 to 1	9%	0	—	—
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	g TEQ	0	—	>0 to 1	-25%	0	—	Change in source testing results for 2016
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	g TEQ	0	—	>0 to 1	-20%	0	—	Change in source testing results for 2016
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	g TEQ	0	—	>0 to 1	-24%	0	—	Change in source testing results for 2016

Toxic Substance	CAS No.	Units	Used		Created		Contained in Product		Comment if Change > +/- 10%
			Tonnes in 2016	% Change from 2015	Tonnes in 2016	% Change from 2015	Tonnes in 2016	% Change from 2015	
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	g TEQ	0	—	>0 to 1	-29%	0	—	Change in source testing results for 2016
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	g TEQ	0	—	>0 to 1	-15%	0	—	Change in source testing results for 2016
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	g TEQ	0	—	>0 to 1	<1%	0	—	—
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	g TEQ	0	—	>0 to 1	<1%	0	—	—
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	g TEQ	0	—	>0 to 1	11%	0	—	Change in source testing results for 2016
Octachlorodibenzofuran	39001-02-0	g TEQ	0	—	>0 to 1	6%	0	—	—
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	g TEQ	0	—	>0 to 1	-68%	0	—	Change in source testing results for 2016
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	g TEQ	0	—	>0 to 1	-71%	0	—	Change in source testing results for 2016
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	g TEQ	0	—	>0 to 1	-46%	0	—	Change in source testing results for 2016
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	g TEQ	0	—	>0 to 1	-40%	0	—	Change in source testing results for 2016
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	g TEQ	0	—	>0 to 1	-48%	0	—	Change in source testing results for 2016
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	g TEQ	0	—	>0 to 1	5%	0	—	—
Octachlorodibenzo-p-dioxin	3268-87-9	g TEQ	0	—	>0 to 1	8%	0	—	—
Hexachlorobenzene	118-74-1	g	0	—	>1000 to 10000	9%	0	—	—
PM	N/A	tonnes	0	—	>100 to 1000	8%	0	—	—
PM 10	N/A	tonnes	0	—	>10 to 100	7%	0	—	—
PM 2.5	N/A	tonnes	0	—	>10 to 100	7%	0	—	—
Carbon monoxide	630-08-0	tonnes	0	—	>10 to 100	8%	0	—	—
Nitrogen oxides	11104-93-1	tonnes	0	—	>100 to 1000	6%	0	—	—
Sulphur dioxide	7446-09-5,	tonnes	0	—	>10 to 100	6%	0	—	—
Calcium fluoride	7789-75-5	tonnes	>100 to 1000	42%	0	—	0	—	Decreased usage
Acenaphthylene	208-96-8	kg	0	—	>10 to 100	6%	0	—	—
Fluoranthene	206-44-0	kg	0	—	>1 to 10	6%	0	—	—
Fluorene	86-73-7	kg	0	—	>1 to 10	6%	0	—	—
Phenanthrene	85-01-8	kg	0	—	>10 to 100	6%	0	—	—
Pyrene	129-00-0	kg	0	—	>1 to 10	6%	0	—	—
Quinoline	91-22-5	kg	0	—	>1 to 10	—	0	—	—

If applicable, the name, position and telephone number of the individual who is the contact at the facility for the public:

Public Contact (if applicable):	Sean Marsell
Title:	Manager - Environment, Health, Safety and Security
Phone Number:	647-309-9337

As of June 1, 2016, I certify that I have read the reports on the toxic substance reduction plans for the above substances 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 the Act.

The original version of this report is signed off by: Highest Ranking Employee:

Joe Olenick
Title: General Manager
Phone Number: 613-675-4671