

Toxics Reduction Act Public Annual Report - Calendar 2018

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)	Ingot Metal Company Limited 111 Fenmar Drive Weston ON M9L 1M3	
Facility NPRI identification number	00455	
The identification number assigned to the facility by the Ministry of the Environment for the purposes of Ontario Regulation 127/01.	6337	
Number of full-time employees	41	
North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes	31 - 33 Manufacturing 3314 - Non-Ferrous (exc. Al) Production & Processing 331420 - Copper rolling, drawing, extruding and alloying	
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)	David Shore	
Title	Secretary	
Phone Number	(416) 749-1372	
Address of each person below if not the same as the facility		
Facility Name	Ingot Metal Company Limited	
Address 1	111 Fenmar Drive	
Address 2	0	
City	Weston	
Province	ON	
Postal Code	M9L 1M3	
UTM coordinates, x and y	X 616788.6	Y 4846150
Datum	WGS84	
Legal name of Canadian parent company, if your facility is a subsidiary of a Canadian parent company		
Parent company name	Ingot Metal Company Limited	
Address 1	111 Fenmar Drive	
Address 2		
City	Weston	
Province	ON	
Postal Code	M9L 1M3	
Percent Ownership	100%	

Substance Accounting

Substance:	Copper and its Compounds	
CAS Number:	NA - 06	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	>10000 - 100000	Mg
The amount of substance that was created:	0.000	Mg
The amount of substance that was contained in product:	>10000 - 100000	Mg
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en		

Substance Accounting

Substance:	Lead and its compounds
CAS Number:	NA - 08
On a facility-wide basis:	
	Amount Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	>100000 - 1000000 kg
The amount of substance that was created:	0.000 kg
The amount of substance that was contained in product:	>100000 - 1000000 kg
<p>On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</p>	

Substance:	Manganese and its compounds
CAS Number:	NA - 09
On a facility-wide basis:	
	Amount Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	Below Threshold Mg
The amount of substance that was created:	Below Threshold Mg
The amount of substance that was contained in product:	Below Threshold Mg
<p>On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</p>	

Substance:	Particulate Matter (10)
CAS Number:	NA - M09
On a facility-wide basis:	
	Amount Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.000 Mg
The amount of substance that was created:	>1 - 10 Mg
The amount of substance that was contained in product:	0.000 Mg
<p>On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</p>	

Substance:	Particulate Matter (2.5)
CAS Number:	NA - M10
On a facility-wide basis:	
	Amount Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.000 Mg
The amount of substance that was created:	>1 - 10 Mg
The amount of substance that was contained in product:	0.000 Mg
<p>On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</p>	

Substance Accounting

Substance:	Zinc and its compounds
CAS Number:	NA - 14
On a facility-wide basis:	
Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	>1000 - 10000 Mg
The amount of substance that was created:	0.000 Mg
The amount of substance that was contained in product:	>1000 - 10000 Mg
<p>On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</p>	

Substance:	Polychlorinated Dibenzo-P-Dioxins & Polychlorinated Dibenzofurans
CAS Number:	NA - 11
On a facility-wide basis:	
Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.0000000 g TEQ
The amount of substance that was created:	0.0004584 g TEQ
The amount of substance that was contained in product:	0.0000000 g TEQ
<p>On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</p>	

Substance:	2,3,7,8-TCDD
CAS Number:	1746-01-6
On a facility-wide basis:	
Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.0000000 g
The amount of substance that was created:	0.0000032 g
The amount of substance that was contained in product:	0.0000000 g
<p>On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</p>	

Substance:	1,2,3,7,8 - PeCDD
CAS Number:	40321-76-4
On a facility-wide basis:	
Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.0000000 g
The amount of substance that was created:	0.0000268 g
The amount of substance that was contained in product:	0.0000000 g
<p>On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</p>	

Substance Accounting

Substance:	1,2,4,7,8 - HxCDD								
CAS Number:	39227-28-6								
On a facility-wide basis:									
Amount that entered the facility as the substance itself or as a constituent of another substance:	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="width: 50%;">Amount</th> <th style="width: 50%;">Units</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0.0000000</td> <td style="text-align: center;">g</td> </tr> <tr> <td style="text-align: center;">0.0000500</td> <td style="text-align: center;">g</td> </tr> <tr> <td style="text-align: center;">0.0000000</td> <td style="text-align: center;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000000	g	0.0000500	g	0.0000000	g
Amount	Units								
0.0000000	g								
0.0000500	g								
0.0000000	g								
The amount of substance that was created:									
The amount of substance that was contained in product:									
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en									

Substance:	1,2,3,6,7,8 - HxCDD								
CAS Number:	57653-85-7								
On a facility-wide basis:									
Amount that entered the facility as the substance itself or as a constituent of another substance:	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="width: 50%;">Amount</th> <th style="width: 50%;">Units</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0.0000000</td> <td style="text-align: center;">g</td> </tr> <tr> <td style="text-align: center;">0.0000894</td> <td style="text-align: center;">g</td> </tr> <tr> <td style="text-align: center;">0.0000000</td> <td style="text-align: center;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000000	g	0.0000894	g	0.0000000	g
Amount	Units								
0.0000000	g								
0.0000894	g								
0.0000000	g								
The amount of substance that was created:									
The amount of substance that was contained in product:									
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en									

Substance:	1,2,3,7,8,9 - HxCDD								
CAS Number:	19408-74-3								
On a facility-wide basis:									
Amount that entered the facility as the substance itself or as a constituent of another substance:	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="width: 50%;">Amount</th> <th style="width: 50%;">Units</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0.0000000</td> <td style="text-align: center;">g</td> </tr> <tr> <td style="text-align: center;">0.0001609</td> <td style="text-align: center;">g</td> </tr> <tr> <td style="text-align: center;">0.0000000</td> <td style="text-align: center;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000000	g	0.0001609	g	0.0000000	g
Amount	Units								
0.0000000	g								
0.0001609	g								
0.0000000	g								
The amount of substance that was created:									
The amount of substance that was contained in product:									
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en									

Substance:	1,2,3,4,6,7,8 - HpCDD								
CAS Number:	35822-46-9								
On a facility-wide basis:									
Amount that entered the facility as the substance itself or as a constituent of another substance:	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="width: 50%;">Amount</th> <th style="width: 50%;">Units</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0.0000000</td> <td style="text-align: center;">g</td> </tr> <tr> <td style="text-align: center;">0.0011413</td> <td style="text-align: center;">g</td> </tr> <tr> <td style="text-align: center;">0.0000000</td> <td style="text-align: center;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000000	g	0.0011413	g	0.0000000	g
Amount	Units								
0.0000000	g								
0.0011413	g								
0.0000000	g								
The amount of substance that was created:									
The amount of substance that was contained in product:									
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en									

Substance Accounting

Substance:	OCDD
CAS Number:	3268-87-9

On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.0000000	g
The amount of substance that was created:	0.0028648	g
The amount of substance that was contained in product:	0.0000000	g

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:	2,3,7,8 - TCDF
CAS Number:	51207-31-9

On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.0000000	g
The amount of substance that was created:	0.0002691	g
The amount of substance that was contained in product:	0.0000000	g

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:	2,3,4,7,8 - PeCDF
CAS Number:	57117-31-4

On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.0000000	g
The amount of substance that was created:	0.0003355	g
The amount of substance that was contained in product:	0.0000000	g

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:	1,2,3,7,8 - PeCDF
CAS Number:	57117-41-6

On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.0000000	g
The amount of substance that was created:	0.0001875	g
The amount of substance that was contained in product:	0.0000000	g

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance Accounting

Substance:	1,2,3,4,7,8 - HxCDF
CAS Number:	70648-26-9
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.0000000 g
The amount of substance that was created:	0.0009314 g
The amount of substance that was contained in product:	0.0000000 g
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Substance:	1,2,3,7,8,9 - HxCDF
CAS Number:	72918-21-9
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.0000000 g
The amount of substance that was created:	0.0005180 g
The amount of substance that was contained in product:	0.0000000 g
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Substance:	1,2,3,6,7,8 - HxCDF
CAS Number:	57117-44-9
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.0000000 g
The amount of substance that was created:	0.0002741 g
The amount of substance that was contained in product:	0.0000000 g
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Substance:	2,3,4,6,7,8 - HxCDF
CAS Number:	60851-34-5
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.0000000 g
The amount of substance that was created:	0.0000344 g
The amount of substance that was contained in product:	0.0000000 g
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Substance Accounting

Substance:	1,2,3,4,6,7,8 - HpCDF
CAS Number:	67562-39-4
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.0000000 g
The amount of substance that was created:	0.0014622 g
The amount of substance that was contained in product:	0.0000000 g
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Substance:	1,2,3,4,7,8,9 - HpCDF
CAS Number:	55673-89-7
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.0000000 g
The amount of substance that was created:	0.0003484 g
The amount of substance that was contained in product:	0.0000000 g
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Substance:	OCDF
CAS Number:	39001-02-0
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.0000000 g
The amount of substance that was created:	0.0027566 g
The amount of substance that was contained in product:	0.0000000 g
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Substance:	Hexachlorobenzene
CAS Number:	118-74-1
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.00000 g
The amount of substance that was created:	0.00000 g
The amount of substance that was contained in product:	0.00000 g
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Annual Progress Report - Calendar 2018

Substances for which toxic substance reduction plans have been prepared:

Substance	CASRN
Copper and its Compounds	NA - 06
Lead and its compounds	NA - 08
Manganese and its compounds (Below Threshold)	NA - 09
Nickel and its compounds (Below Threshold)	NA - 11
Particulate Matter (10)	NA - M09
Particulate Matter (2.5)	NA - M10
Zinc and its compounds	NA - 14
Polychlorinated Dibenzo-P-Dioxins & Polychlorinated Dibenzofurans	NA - 11
2,3,7,8-TCCD	1746-01-6
1,2,3,7,8 - PeCDD	40321-76-4
1,2,4,7,8 - HxCDD	39227-28-6
1,2,3,6,7,8 - HxCDD	57653-85-7
1,2,3,7,8,9 - HxCDD	19408-74-3
1,2,3,4,6,7,8 - HpCDD	35822-46-9
OCDD	3268-87-9
2,3,7,8 - TCDF	51207-31-9
2,3,4,7,8 - PeCDF	57117-31-4
1,2,3,7,8 - PeCDF	57117-41-6
1,2,3,4,7,8 - HxCDF	70648-26-9
1,2,3,7,8,9 - HxCDF	72918-21-9
1,2,3,6,7,8 - HxCDF	57117-44-9
2,3,4,6,7,8 - HxCDF	60851-34-5
1,2,3,4,6,7,8 - HpCDF	67562-39-4
1,2,3,4,7,8,9 - HpCDF	55673-89-7
OCDF	39001-02-0
Hexachlorobenzene	118-74-1

Plan Objectives

All employees at Ingot Metal Company will be involved in the reduction of toxic substance use, creation and releases. Where technically and economically feasible, our goal is to reduce the creation of hexachlorobenzene and dioxin and furan isomers to the greatest extent possible. Ingot Metal Company has looked into all the options and currently found none to be feasible at this time. The facility will continue to monitor technological advancements to ensure that reduction options that are both technological and financially viable are implemented at our facility. In terms of the metal species noted above, Ingot Metal Company cannot reduce the use of these substances as they are integral components of the alloys produced by the facility. However, we will ensure the sound management and use of these substances that minimizes significant adverse impacts on human health and the environment.

Toxics Reduction Progress

Variations in the reported quantities have been observed in several categories including quantity created, contained in product, recycled and released to air. In the case of used and contained in product, variations are due to the changes to the quantity of specific alloys produced by the facility. In the case of quantity created and released to air, variations are due to the increase in the total scrap received and an increase in the overall production by the facility. Changes in the quantities of materials recycled are due to increases in the amount of furnace slag and decreases in the amount of baghouse dust shipped off-site for recycling.

Plan Implementation Progress

There were no reduction options identified in any of the plans for the above noted substances that were identified as being both technically and economically feasible. As such, there were no timelines presented in the reduction plans for the above noted substances. However, Ingot Metal Company will continue to explore and investigate potential reduction options as they arise as part of their sustainability program.

As there were no anticipated reductions noted in each of the plans for the toxic substances noted above, there were no reductions of any toxic substances during the reporting period that would be attributable to any reduction plan.

Certification Statement

As of May 16, 2019, I certify that I have read the reports on the toxic substance reduction plans for the substances noted 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 the Act.

TRA Substance List

<u>Substance Name</u>	<u>CAS RN</u>
Copper and its Compounds	NA - 06
Lead and its compounds	NA - 08
Manganese and its compounds (Below Threshold)	NA - 09
Nickel and its compounds (Below Threshold)	NA - 11
Particulate Matter (10)	NA - M09
Particulate Matter (2.5)	NA - M10
Zinc and its compounds	NA - 14
Polychlorinated Dibenzo-P-Dioxins & Polychlorinated Dibenzofurans	NA - 11
2,3,7,8-TCCD	1746-01-6
1,2,3,7,8 - PeCDD	40321-76-4
1,2,4,7,8 - HxCDD	39227-28-6
1,2,3,6,7,8 - HxCDD	57653-85-7
1,2,3,7,8,9 - HxCDD	19408-74-3
1,2,3,4,6,7,8 - HpCDD	35822-46-9
OCDD	3268-87-9
2,3,7,8 - TCDF	51207-31-9
2,3,4,7,8 - PeCDF	57117-31-4
1,2,3,7,8 - PeCDF	57117-41-6
1,2,3,4,7,8 - HxCDF	70648-26-9
1,2,3,7,8,9 - HxCDF	72918-21-9
1,2,3,6,7,8 - HxCDF	57117-44-9
2,3,4,6,7,8 - HxCDF	60851-34-5
1,2,3,4,6,7,8 - HpCDF	67562-39-4
1,2,3,4,7,8,9 - HpCDF	55673-89-7
OCDF	39001-02-0
Hexachlorobenzene	118-74-1

The original version of this report is signed off by:

Highest Ranking Employee:

Title:

Phone Number:

Martin Schwarz
President
(416) 749-1372

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.