2020 Toxics Reduction Act Public Annual Report

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)	Niagara Investment Castings division of ASAHI Refining Canada Ltd. 16 Smith Street, St Catharines Ontario L2P 3J1
Facility NPRI identification number	5761
The identification number assigned to the facility by the Ministry of the Environment for the purposes of Ontario Regulation 127/01.	---
Number of full-time employees	53
North American Industry Classification System (NAICS) - 2, 4, and 6-digit codes	31 - 33 Manufacturing 3315 - Foundries 331514 - Steel Foundries

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)	Nancy Cardwell
Title	EHSS Coordinator
Phone Number	(905) 682-9258 ext 238

Address of each person below if not the same as the facility

Facility Name	Niagara Investment Castings division of ASAHI Refining Canada Ltd.
Address 1	16 Smith Street
Address 2	
City	St. Catharines
Province	ON
Postal Code	L2P 3J1
UTM Zone	17
UTM Easting	644977
UTM Northing	6780885

Legal name of Canadian parent company, if your facility is a subsidiary of a Canadian parent company

Parent company name	Niagara Investment Castings division of ASAHI Refining Canada Ltd.
Address 1	16 Smith Street
Address 2	
City	St. Catharines
Province	ON
Postal Code	L2P 3J1
Percent Ownership	100%

Substance:	Chromium (and its compounds)		
CAS Number:	NA-04		
On a facility-wide basis:		Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:		> 10 to 100	tonnes
The amount of substance that was created:		0.000	tonnes
The amount of substance that was contained in product:		> 10 to 100	tonnes

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:	Cobalt (and its compounds)		
CAS Number:	NA-05		
On a facility-wide basis:		Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:		> 1,000 to 10,000	kg
The amount of substance that was created:		0.000	kg
The amount of substance that was contained in product:		> 1,000 to 10,000	kg

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:	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:		> 10 to 100	tonnes
The amount of substance that was created:		0.000	tonnes
The amount of substance that was contained in product:		> 10 to 100	tonnes

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:	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:		> 100 to 1,000	kg
The amount of substance that was created:		0.000	kg
The amount of substance that was contained in product:		> 100 to 1,000	kg

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:	Nickel (and its compounds)	
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:	> 10 to 100	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	> 1 to 10	tonnes

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:	Particulate Matter less than or equal to 10 microns (PM10)	
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	tonnes
The amount of substance that was created:	> 0 to 1	tonnes
The amount of substance that was contained in product:	0.000	tonnes

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:	Particulate Matter less than or equal to 2.5 microns (PM2.5)	
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	tonnes
The amount of substance that was created:	> 0 to 1	tonnes
The amount of substance that was contained in product:	0.000	tonnes

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

Comparison of Annual Reported Amounts

Substance:	Chromium (and its compounds)			
CAS Number:	NA-04			
On a facility-wide basis:	2020	2019	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	tonnes	tonnes	tonnes	%
	> 10 to 100	> 10 to 100	> 1 to 10	-20.43
The amount of substance that was created:	0	0	0	
The amount of substance that was contained in product:	> 10 to 100	> 10 to 100	> 1 to 10	-29.95

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:	Cobalt (and its compounds)			
CAS Number:	NA-05			
On a facility-wide basis:	2020	2019	Difference	
Amount that entered the facility as the substance	kg	kg	kg	%
itself or as a constituent of another substance:	> 1,000 to 10,000	> 100 to 1,000	> 1,000 to 10,000	580.87
The amount of substance that was created:	> 0 to 1	> 0 to 1	> 0 to 1	-16.67
The amount of substance that was contained in product:	> 1,000 to 10,000	> 100 to 1,000	> 1,000 to 10,000	598.98

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:	Copper (and its compounds)			
CAS Number:	NA-06			
On a facility-wide basis:	2020	2019	Difference	
Amount that entered the facility as the substance	tonnes	tonnes	tonnes	%
itself or as a constituent of another substance:	> 10 to 100	> 10 to 100	> 1 to 10	-33.29
The amount of substance that was created:	0	0	0	
The amount of substance that was contained in product:	> 10 to 100	> 10 to 100	> 1 to 10	-34.29

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:	Lead (and its compounds)			
CAS Number:	NA-08			
On a facility-wide basis:	2020	2019	Difference	
Amount that entered the facility as the substance	kg	kg	kg	%
itself or as a constituent of another substance:	> 100 to 1,000	> 1,000 to 10,000	> 100 to 1,000	-38.43
The amount of substance that was created:	0	0	0	
The amount of substance that was contained in product:	> 100 to 1,000	> 1,000 to 10,000	> 100 to 1,000	-42.37

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:	Nickel (and its compounds)			
CAS Number:	NA-11			
On a facility-wide basis:	2020	2019	Difference	
Amount that entered the facility as the substance	tonnes	tonnes	tonnes	%
itself or as a constituent of another substance:	> 10 to 100	> 10 to 100	> 1 to 10	-39.56
The amount of substance that was created:	0.000	0.000	0.00	
The amount of substance that was contained in product:	> 1 to 10	> 10 to 100	> 1 to 10	-47.08

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:	Particulate Matter less than or equal to 10 microns (PM10)			
CAS Number:	NA-M09			
On a facility-wide basis:	2020	2019	Difference	
Amount that entered the facility as the substance	tonnes	tonnes	tonnes	%
itself or as a constituent of another substance:	0.000	0.000	0.000	
The amount of substance that was created:	>0 to 1	> 0 to 1	> 0 to 1	0.01
The amount of substance that was contained in product:	0.000	0.000	0.000	

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:	Particulate Matter less than or equal to 2.5 microns (PM2.5)			
CAS Number:	NA-M10			
On a facility-wide basis:	2020	2019	Difference	
Amount that entered the facility as the substance	tonnes	tonnes	tonnes	%
itself or as a constituent of another substance:	0.000	0.000	0.000	
The amount of substance that was created:	> 0 to 1	> 0 to 1	> 0 to 1	0.06
The amount of substance that was contained in product:	0.000	0.000	0.000	

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 2020

Substances for which toxic substance reduction plans have been prepared:

Substance Name	CAS #	Toxic Reduction Plan Date
Chromium and its compounds	NA-04	December 21, 2012
Copper and its compounds	NA-06	December 21, 2012
Lead and its compounds	NA-08	December 21, 2012
Nickel and its compounds	NA-11	December 21, 2012
Aluminum Oxide	1344-28-1	September 17, 2013*
Particulate Matter less than or equal to 10 microns (PM10)	NA-M09	September 17, 2013
Particulate Matter less than or equal to 2.5 microns (PM2.5)	NA-M10	September 17, 2013
Cobalt and its compounds**	NA-05	September 18, 2017

* TRA Exit Record for 2013 reporting year (only non-fibrous form used)

Toxic Reduction Progress

The current reporting year saw slightly decreases for some substances primarily due to decrease in the facility's production in 2020 for several materials due to material reformation.

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. No additional actions outside the plans were taken in 2020 to reduce the use and/or creation for any of the reportable substances. No amendments were made to the toxic substance reduction plans in 2020.

ON MECP TRA - Electronic Certification Statement

Annual Report Certification Statement

As of 2021-08-04, I, John Pagnotta, 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.

TRA Substance List*

CAS RN	Substance Name
NA - 04	Chromium (and its compounds)
NA - 05	Cobalt (and its compounds)
NA - 06	Copper (and its compounds)
NA - 08	Lead (and its compounds)
NA - 11	Nickel (and its compounds)
NA - M09	PM10 - Particulate Matter <= 10 Microns
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns

Company Name

Niagara Investment Castings (division of Asahi Refining Canada)

Highest Ranking Employee

John Pagnotta

Report Submitted by

Nancy Cardwell

Website address

niagarainvestmentcastings.com

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.

Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2020	2021-08-04	Niagara Investment Castings (division of Asahi Refining Canada)	Ontario	St. Catharines	NPRI,ON MECP TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.

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