

**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)	Cargill Ltd. - Guelph Beef 165 Dunlop Drive Guelph N1L 1P4 ON
Facility NPRI identification number	11105
The identification number assigned to the facility by the Ministry of the Environment for the	-
Number of full-time employees	980
North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes	31-33 Manufacturing 3116 Meat product manufacturing 311611 Animal (except poultry) slaughtering
If applicable, the name, position and telephone number of the individual who is the contact at Public Contact (if applicable) Title Phone Number	Bill Castledine Utilities Supervisor (519) 823-5200
Address of each person below if not the same as the facility Facility Name Address 1 Address 2 City Province Postal Code	Cargill Ltd. - Guelph Beef 165 Dunlop Drive  Guelph ON N1L 1P4
UTM coordinates, x and y Datum	X 564323 Y 4822455 WGS84
Legal name of Canadian parent company, if your facility is a subsidiary of a Canadian parent company Parent company name Address 1 Address 2 City Province Postal Code Percent Ownership	Not Applicable

**Substance Accounting**

Substance:	Ammonia (total)
CAS Number:	NA - 16
On a facility-wide basis:	Amount Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	37.273 tonnes
The amount of substance that was created:	0.000 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 <a href="http://www.ec.gc.ca/inrp-npri/default.asp?lang=en">http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</a>	

### Substance Accounting

Substance:	Peracetic acid (and its salts)
CAS Number:	79-21-0
On a facility-wide basis:	Amount      Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	41.581      tonnes
The amount of substance that was created:	0.000      tonnes
The amount of substance that was contained in product:	0.000      tonnes
<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 <a href="http://www.ec.gc.ca/inrp-npri/default.asp?lang=en">http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</a></p>	

Substance:	Sulphuric Acid
CAS Number:	7664-93-9
On a facility-wide basis:	Amount      Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	19.065      tonnes
The amount of substance that was created:	0.000      tonnes
The amount of substance that was contained in product:	0.000      tonnes
<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 <a href="http://www.ec.gc.ca/inrp-npri/default.asp?lang=en">http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</a></p>	

Substance:	Particulate Matter (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:	0.780      tonnes
The amount of substance that was contained in product:	0.000      tonnes
<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 <a href="http://www.ec.gc.ca/inrp-npri/default.asp?lang=en">http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</a></p>	

Substance:	Particulate Matter (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:	0.780      tonnes
The amount of substance that was contained in product:	0.000      tonnes
<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 <a href="http://www.ec.gc.ca/inrp-npri/default.asp?lang=en">http://www.ec.gc.ca/inrp-npri/default.asp?lang=en</a></p>	

### Annual Progress Report

Substances for which toxic substance reduction plans have been prepared:

Substance	CASRN
Ammonia (total)	NA - 16
Sulphuric Acid	7664-93-9
Particulate Matter (PM10)	NA - M09
Particulate Matter (PM2.5)	NA - M10

#### Plan Objectives

The reduction of toxic substance use, creation and releases is a priority for Cargill forming part of their sustainability programs and EMS. Our goal is to reduce the use and release of Ammonia (total), and creation of Particulate Matter ≤10 microns (PM10), and Particulate Matter ≤2.5 microns (PM2.5) where technically and economically feasible for these substances. At the present time there are no reduction options that are both technically and economically feasible for these substances. However, Cargill will continue to explore new options as they arise as part of our sustainability programs.

#### Toxics Reduction Progress

Overall the quantity of ammonia used remained the same as last year and the quantities of PM10 and PM2.5 created and released by the facility increased slightly. The quantities of Particulate Matter less than or equal to 10 microns (PM10) and Particulate Matter less than 2.5 microns (PM2.5) released and created increased slightly in 2018 as the quantity of natural gas used by the facility increased.

#### Plan Implementation Progress

At the present time there are no reduction options that are both technically and economically feasible for these substances. However, Cargill will continue to explore new options as they arise as part of their sustainability programs.

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.

### Comparison of Reported Quantities

Substance	CASRN	Report Year	Used	Created	In Product	Air	Water	Disposal	Recycle
Ammonia (total)	NA - 16	2017	37.273	0.000	0.000	0.000	0.000	0.000	0.000
		2018	37.273	0.000	0.000	0.000	0.000	0.000	0.000
		Change	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Peracetic acid (and its salts)	79-21-0	2017	38.842	0.000	0.000	1.942	0.000	0.000	0.000
		2018	41.581	0.000	0.000	2.079	0.000	0.000	0.000
		Change	2.739	0.000	0.000	0.137	0.000	0.000	0.000
		% Change	7.1%	0.0%	0.0%	7.1%	0.0%	0.0%	0.0%
Sulphuric Acid	7664-93-9	2017	BT	BT	BT	BT	BT	BT	BT
		2018	19.065	0.000	0.000	0.000	0.000	0.000	0.000
		Change	NA	NA	NA	NA	NA	NA	NA
		% Change	NA	NA	NA	NA	NA	NA	NA
Particulate Matter (PM10)	NA - M09	2017	NA	0.700	NA	0.700	NA	NA	NA
		2018	NA	0.780	NA	0.780	NA	NA	NA
		Change	NA	0.080	NA	0.080	NA	NA	NA
		% Change	NA	11.4%	NA	11.4%	NA	NA	NA
Particulate Matter (PM2.5)	NA - M10	2017	NA	0.700	NA	0.700	NA	NA	NA
		2018	NA	0.780	NA	0.780	NA	NA	NA
		Change	NA	0.080	NA	0.080	NA	NA	NA
		% Change	NA	11.4%	NA	11.4%	NA	NA	NA

Note: Red values indicate a reduction in the reported quantity relative to the previous reporting period.

**Certification Statement**

As of May 30, 2019, I certify that I have read the reports on the toxic substance reduction plans for Cobalt, Styrene and Acetone 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:

Title:

Phone Number:

Matt Gibney
General Manager
519-823-5200

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.