

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)	GKN Sinter Metals 7 Michigan Boulevard St. Thomas ON N5P 1H1	
Facility NPRI identification number	01461	
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	160	
North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes	31 - 33 Manufacturing 3363 - Motor Vehicle Parts Mfg. 336350 - MV Transmission & Power Train Parts Mfg.	
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)	Jamie Blondin	
Title	HSE Specialist	
Phone Number	(519) 637-4209	
Address of each person below if not the same as the facility		
Facility Name	GKN Sinter Metals	
Address 1	7 Michigan Boulevard	
Address 2		
City	St. Thomas	
Province	ON	
Postal Code	N5P 1H1	
UTM coordinates, x and y	X 486820	Y 4736487
Datum	WGS84	
Legal name of Canadian parent company, if your facility is a subsidiary of a Canadian parent company		
Parent company name	GKN Sinter Metals	
Address 1	7 Michigan Boulevard	
Address 2		
City	St. Thomas	
Province	ON	
Postal Code	N5P 1H1	
Percent Ownership	100%	

Substance Accounting

Substance:	Copper (and its cpds)
CAS Number:	NA - 06
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	187.585 Mg
The amount of substance that was created:	0.000 Mg
The amount of substance that was contained in product:	157.535 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:	Nickel and its compounds
CAS Number:	NA-11
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	58.853 Mg
The amount of substance that was created:	0.000 Mg
The amount of substance that was contained in product:	49.422 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 µm
CAS Number:	NA-M09
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.000 Mg
The amount of substance that was created:	1.441 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 µm
CAS Number:	NA-M10
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.000 Mg
The amount of substance that was created:	1.219 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>	

Comparison of Annual Reported Amounts

Substance	CASRN	Report Year	Used	Created	In Product	Air	Water	Disposal	Recycle
Copper (Units Mg)	NA - 06	2017	200.247	0.000	183.956	0.00134	0.000	0.000	16.290
		2018	187.585	0.000	157.535	0.00115	0.000	0.000	30.049
		Change	-12.662	0.000	-26.421	-0.0002	0.000	0.000	13.759
		% Change	-6.32%	0.00%	-14.36%	-14.21%	0.00%	0.00%	84.46%
Nickel (Units Mg)	NA - 11	2017	62.585	0.000	57.489	0.005	0.000	0.000	5.091
		2018	58.853	0.000	49.422	0.004	0.000	0.000	9.427
		Change	-3.732	0.000	-8.067	-0.001	0.000	0.000	4.336
		% Change	-5.96%	0.00%	-14.03%	-14.21%	0.00%	0.00%	85.17%
PM10	NA-M09	2017	0.000	1.307	NA	1.307	NA	NA	NA
		2018	0.000	1.441	NA	1.441	NA	NA	NA
		Change	0.000	0.135	NA	0.135	NA	NA	NA
		% Change	NA	10.29%	NA	10.29%	NA	NA	NA
PM2.5	NA-M10	2017	0.000	1.049	NA	1.049	NA	NA	NA
		2018	0.000	1.219	NA	1.219	NA	NA	NA
		Change	0.000	0.170	NA	0.170	NA	NA	NA
		% Change	NA	16.22%	NA	16.22%	NA	NA	NA

Annual Progress Report - Calendar 2018

Substances for which toxic substance reduction plans have been prepared:

Substance	CASRN
Copper (and its cpds)	NA - 06
Nickel and its compounds	NA-11
Particulate Matter ≤ 10 µm	NA-M09
Particulate Matter ≤ 2.5 µm	NA-M10

Plan Objectives

All employees at GKN will be involved in the reduction of toxic substance use, creation and releases. Our goal is to reduce the use and release of Copper (and its compounds), Nickel (and its compounds), PM₁₀, and PM_{2.5}. GKN is unable to further reduce the use and/or creation of Copper, Nickel, PM₁₀, and PM_{2.5} however we will ensure sound management that minimizes the use, creation and releases of these substances to mitigate any adverse impacts on human health and the environment.

Toxics Reduction Progress

The current year saw a decrease in the total quantity of Nickel and Copper used by the facility and contained in product as the overall production at the facility decreased in 2018. In terms of quantities of Copper and Nickel recycled, the current year saw increases in the amount of these substances sent off-site for recycling as a direct result of an increase of off-specification parts, green parts and scrap powder sent off site for recycling. The quantity of Nickel and Copper released to the air decreased due to a decrease in facility production in 2018. Creation and release of PM₁₀ and PM_{2.5} increased due to the increase in facility and cooling tower operating hours in 2018.

Plan Implementation Progress

No technically and economically feasible reduction options for Nickel, PM₁₀, and PM_{2.5} were identified for the facility. One reduction option for Copper (and its compounds) involved increasing the compaction of tonnage where opportunities existed as dictated by the customer. This opportunity was thought to be limited and only applicable to the smaller components created at the facility.

Certification Statement - Calendar 2018

As of **May 30, 2019** I certify that I have read the reports on the toxic substance reduction plans for the above noted 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:

Title:

Phone Number:

Dan Brown
Plant Manger
(519) 631-4880

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.