

**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)	Kennametal Stellite 471 Dundas Street East Belleville K8N 1G2 ON
Facility NPRI identification number	7154
The identification number assigned to the facility by the Ministry of the Environment for the	-
Number of full-time employees	136
North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes	31 - 33 Manufacturing 3315 - Foundries 331529 - Non-ferrous foundries (except die-casting)
If applicable, the name, position and telephone number of the individual who is the contact at Public Contact (if applicable)	Julie Parkes
Title	Sr. EHS Analyst
Phone Number	(613) 968-3481
Address of each person below if not the same as the facility	
Facility Name	Kennametal Stellite
Address 1	471 Dundas Street East
Address 2	
City	Belleville
Province	ON
Postal Code	K8N 1G2
UTM coordinates, x and y	X 311936 Y 4893040
Datum	WGS84
Legal name of Canadian parent company, if your facility is a subsidiary of a Canadian parent company	
Parent company name	Not Applicable
Address 1	
Address 2	
City	
Province	
Postal Code	
Percent Ownership	

**Substance Accounting**

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 - 100 tonnes
The amount of substance that was created:	0.000 tonnes
The amount of substance that was contained in product:	>10 - 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 <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:	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:	<table border="1"> <tr> <td>&gt;10000 - 100000</td> <td>kg</td> </tr> <tr> <td>0.000</td> <td>kg</td> </tr> <tr> <td>&gt;10000 - 100000</td> <td>kg</td> </tr> </table>	>10000 - 100000	kg	0.000	kg	>10000 - 100000	kg
>10000 - 100000	kg						
0.000	kg						
>10000 - 100000	kg						
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 <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:	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:	<table border="1"> <tr> <td>&gt;1 - 10</td> <td>tonnes</td> </tr> <tr> <td>0.000</td> <td>tonnes</td> </tr> <tr> <td>&gt;1 - 10</td> <td>tonnes</td> </tr> </table>	>1 - 10	tonnes	0.000	tonnes	>1 - 10	tonnes
>1 - 10	tonnes						
0.000	tonnes						
>1 - 10	tonnes						
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 <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>							

**Comparison of Reported Quantities**

Substance	CASRN	Report Year	Water	Air	Recycle	Disposal	Used	Created	In Product
<b>NPRI Part 1A - Metric Tonnes</b>									
Chromium (and its compounds)	NA - 04	2017	0.000	>0 - 1	>10 - 100	0.000	>10 - 100	0.000	>10 - 100
		2018	0.000	>0 - 1	>1 - 10	0.000	>10 - 100	0.000	>10 - 100
		Change	0.000	>0 - 1	>1 - 10	0.000	>1 - 10	0.000	>1 - 10
		Change %	0.0%	9.3%	-55.1%	0.0%	-11.2%	0.0%	16.0%
Nickel (and its compounds)	NA - 11	2017	0.000	>0 - 1	>1 - 10	0.000	>1 - 10	0.000	>1 - 10
		2018	0.000	>0 - 1	>1 - 10	0.000	>1 - 10	0.000	>1 - 10
		Change	0.000	>0 - 1	>1 - 10	0.000	>0 - 1	0.000	>1 - 10
		Change %	0.0%	100.0%	-61.1%	0.0%	6.9%	0.0%	40.4%
<b>NPRI Part 1B - Kilograms</b>									
Cobalt (and its compounds)	NA - 05	2017	0.000	>1 - 10	>10000 - 100000	0.000	>10000 - 100000	0.000	>10000 - 100000
		2018	0.000	>1 - 10	>10000 - 100000	0.000	>10000 - 100000	0.000	>10000 - 100000
		Change	0.000	>0 - 1	>1000 - 10000	0.000	>1000 - 10000	0.000	>1000 - 10000
		Change %	0.0%	3.8%	-45.5%	0.0%	-12.3%	0.0%	7.6%

## Annual Progress Report - Calendar 2018

Substances for which toxic substance reduction plans have been prepared:

Substance	CASRN
Chromium (and its compounds)	NA - 04
Nickel (and its compounds)	NA - 11
Cobalt (and its compounds)	NA - 05

### Plan Objectives

The reduction of toxic substance use, creation and releases is a priority for Kennametal Stellite forming part of our sustainability programs and EMS. Kennametal Stellite is unable to reduce the use of Chromium (and its compounds), Nickel (and its compounds) and Cobalt (and its compounds) as they are integral components of some 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 used, created, contained in product, recycled and released to air. In the case of material quantities contained in product and used, variations are due to changes in the quantities of specific alloys produced by the facility. Changes in the quantity of material sent to recycling are due to the changes to the quantity of specific alloys produced by the facility and changes to the quantities of specific off-specification products 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, Kennametal Stellite 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 29/05/2019, I, Don Williams, 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

CASRN	Substance Name
NA - 04	Chromium (and its compounds)
NA - 05	Cobalt (and its compounds)
NA - 11	Nickel (and its compounds)

Company Name:

Highest Ranking Employee:

Report Submitted by:

Website address:

Kennametal Stellite
Don Williams
Don Williams
<a href="http://www.kennametal.com">www.kennametal.com</a>

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.