

**Toxics Reduction Act Public Annual Report Calendar 2017**

|   |  |
|---|--|
| 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<br>471 Dundas Street East<br>Belleville<br>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   | 133  |
| North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes   | 31 - 33 Manufacturing<br>3315 - Foundries<br>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 | 2016        | 0.000 | >0 - 1  | >1 - 10         | 0.000    | >10 - 100       | 0.000   | >10 - 100       |
|                                     |         | 2017        | 0.000 | >0 - 1  | >10 - 100       | 0.000    | >10 - 100       | 0.000   | >10 - 100       |
|                                     |         | Change      | 0.000 | >0 - 1  | >1 - 10         | 0.000    | >1 - 10         | 0.000   | >0 - 1          |
|                                     |         | Change %    | 0.0%  | 10.6%   | 57.4%           | 0.0%     | 13.1%           | 0.0%    | -3.7%           |
| Nickel (and its compounds)          | NA - 11 | 2016        | 0.000 | 0       | >1 - 10         | 0.000    | >1 - 10         | 0.000   | >1 - 10         |
|                                     |         | 2017        | 0.000 | 0       | >1 - 10         | 0.000    | >1 - 10         | 0.000   | >1 - 10         |
|                                     |         | Change      | 0.000 | 0       | >1 - 10         | 0.000    | >1 - 10         | 0.000   | >1 - 10         |
|                                     |         | Change %    | 0.0%  | 0.0%    | 70.5%           | 0.0%     | 52.9%           | 0.0%    | 45.4%           |
| <b>NPRI Part 1B - Kilograms</b>     |         |             |       |         |                 |          |                 |         |                 |
| Cobalt (and its compounds)          | NA - 05 | 2016        | 0.000 | >1 - 10 | >10000 - 100000 | 0.000    | >10000 - 100000 | 0.000   | >10000 - 100000 |
|                                     |         | 2017        | 0.000 | >1 - 10 | >10000 - 100000 | 0.000    | >10000 - 100000 | 0.000   | >10000 - 100000 |
|                                     |         | Change      | 0.000 | >1 - 10 | >1000 - 10000   | 0.000    | >1000 - 10000   | 0.000   | >1000 - 10000   |
|                                     |         | Change %    | 0.0%  | 326.1%  | 40.2%           | 0.0%     | 3.2%            | 0.0%    | -10.9%          |

**Certification Statement**

As of 25/05/2018, 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.