

**Toxics Reduction Act Public Annual Report 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) | Tahoe Resources Canada<br>2000 – 181 University Avenue<br><br>Toronto ON<br>M5H 3M7                                  |
| Facility NPRI identification number   | 11796  |
| 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   | 328  |
| North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes   | 21 - Mining, quarrying, and oil and gas extraction<br>2122 - Metal ore mining<br>212220 - Gold and silver ore mining |
| If applicable, the name, position and telephone number of the individual who is the contact at the facility for the public:<br>Public Contact (if applicable)<br>Title<br>Phone Number  | Marcel Cardinal<br>Manager of Environmental Affairs<br>(705) 269-4344 Ext. 4202                                      |
| Address of each person below if not the same as the facility<br>Facility Name<br>Address 1<br>City<br>Province<br>Postal Code   | Bell Creek Complex<br>3160 Florence Street<br>Porcupine<br>ON<br>PON 1C0   |
| UTM coordinates, x and y<br>Datum   | X 458919 Y 5359037<br>WGS84  |
| Legal name of Canadian parent company, if your facility is a subsidiary of a Canadian parent company  |  |
| Parent company name<br>Address 1<br>Address 2<br>City<br>Province<br>Postal Code<br>Percent Ownership   |  |

**Substance Accounting**

|   |              |
|---|--------------|
| Substance:  | Ammonia      |
| 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:  | 0.0000 Mg    |
| The amount of substance that was created:   | BT Mg        |
| The amount of substance that was contained in product:  | 0.0000 Mg    |
| 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:  | 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:  | >100 - 1000 Mg               |
| The amount of substance that was created:   | 0.0000 Mg                    |
| The amount of substance that was contained in product:  | 0.0000 Mg                    |
| 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:  | >100 - 1000      Mg        |
| The amount of substance that was created:   | 0.0000      Mg             |
| The amount of substance that was contained in product:  | 0.0000      Mg             |
| 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:  | 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 - 100      Mg          |
| The amount of substance that was created:   | 0.0000      Mg             |
| The amount of substance that was contained in product:  | 0.0000      Mg             |
| 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:  | Cyanides (ionic)    |
| CAS Number:   | NA - 07             |
| On a facility-wide basis:   | Amount      Units   |
| Amount that entered the facility as the substance itself or as a constituent of another substance:  | >100 - 1000      Mg |
| The amount of substance that was created:   | 0.0000      Mg      |
| The amount of substance that was contained in product:  | 0.0000      Mg      |
| 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:  | Manganese (and its compounds) |
| CAS Number:   | NA - 09                       |
| On a facility-wide basis:   | Amount      Units             |
| Amount that entered the facility as the substance itself or as a constituent of another substance:  | >100 - 1000      Mg           |
| The amount of substance that was created:   | 0.0000      Mg                |
| The amount of substance that was contained in product:  | 0.0000      Mg                |
| 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:  | >100 - 1000      Mg        |
| The amount of substance that was created:   | 0.0000      Mg             |
| The amount of substance that was contained in product:  | 0.0000      Mg             |
| 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:   | Nitric acid   |        |       |
| CAS Number:  | 7697-37-2   |        |       |
| On a facility-wide basis:  | <table border="1"> <tr> <td>Amount</td> <td>Units</td> </tr> </table> | Amount | Units |
| Amount   | Units   |        |       |
| Amount that entered the facility as the substance itself or as a constituent of another substance:   | BT Mg   |        |       |
| The amount of substance that was created:  | BT Mg   |        |       |
| The amount of substance that was contained in product:   | BT 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 <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:   | Vanadium  |        |       |
| CAS Number:  | 7440-62-2   |        |       |
| On a facility-wide basis:  | <table border="1"> <tr> <td>Amount</td> <td>Units</td> </tr> </table> | Amount | Units |
| Amount   | Units   |        |       |
| Amount that entered the facility as the substance itself or as a constituent of another substance:   | >100 - 1000 Mg  |        |       |
| The amount of substance that was created:  | 0.0000 Mg   |        |       |
| The amount of substance that was contained in product:   | 0.0000 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 <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:   | Zinc (and its compounds)  |        |       |
| CAS Number:  | NA - 14   |        |       |
| On a facility-wide basis:  | <table border="1"> <tr> <td>Amount</td> <td>Units</td> </tr> </table> | Amount | Units |
| Amount   | Units   |        |       |
| Amount that entered the facility as the substance itself or as a constituent of another substance:   | >100 - 1000 Mg  |        |       |
| The amount of substance that was created:  | 0.0000 Mg   |        |       |
| The amount of substance that was contained in product:   | 0.0000 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 <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:   | Arsenic (and its compounds)   |        |       |
| CAS Number:  | NA - 02   |        |       |
| On a facility-wide basis:  | <table border="1"> <tr> <td>Amount</td> <td>Units</td> </tr> </table> | Amount | Units |
| Amount   | Units   |        |       |
| Amount that entered the facility as the substance itself or as a constituent of another substance:   | >100 - 1000 kg  |        |       |
| The amount of substance that was created:  | 0.0000 kg   |        |       |
| The amount of substance that was contained in product:   | 0.0000 kg   |        |       |
| <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:   | Cadmium (and its compounds)   |        |       |
| CAS Number:  | NA - 03   |        |       |
| On a facility-wide basis:  | <table border="1"> <tr> <td>Amount</td> <td>Units</td> </tr> </table> | Amount | Units |
| Amount   | Units   |        |       |
| Amount that entered the facility as the substance itself or as a constituent of another substance:   | >100 - 1000 kg  |        |       |
| The amount of substance that was created:  | 0.0000 kg   |        |       |
| The amount of substance that was contained in product:   | 0.0000 kg   |        |       |
| <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 Accounting**

|   |   |             |    |        |    |        |    |
|---|---|-------------|----|--------|----|--------|----|
| 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:  | <table border="1"> <tr><td>&gt;100 - 1000</td><td>kg</td></tr> <tr><td>0.0000</td><td>kg</td></tr> <tr><td>0.0000</td><td>kg</td></tr> </table> | >100 - 1000 | kg | 0.0000 | kg | 0.0000 | kg |
| >100 - 1000   | kg  |             |    |        |    |        |    |
| 0.0000  | kg  |             |    |        |    |        |    |
| 0.0000  | 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:  | Selenium (and its compounds)  |             |    |        |    |        |    |
| CAS Number:   | NA - 12   |             |    |        |    |        |    |
| 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;100 - 1000</td><td>kg</td></tr> <tr><td>0.0000</td><td>kg</td></tr> <tr><td>0.0000</td><td>kg</td></tr> </table> | >100 - 1000 | kg | 0.0000 | kg | 0.0000 | kg |
| >100 - 1000   | kg  |             |    |        |    |        |    |
| 0.0000  | kg  |             |    |        |    |        |    |
| 0.0000  | 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:  | Thallium  |             |    |        |    |        |    |
| CAS Number:   | NA - 23   |             |    |        |    |        |    |
| 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;100 - 1000</td><td>kg</td></tr> <tr><td>0.0000</td><td>kg</td></tr> <tr><td>0.0000</td><td>kg</td></tr> </table> | >100 - 1000 | kg | 0.0000 | kg | 0.0000 | kg |
| >100 - 1000   | kg  |             |    |        |    |        |    |
| 0.0000  | kg  |             |    |        |    |        |    |
| 0.0000  | 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:  | Particulate Matter (TPM)  |        |    |           |    |    |    |
| CAS Number:   | NA - M08  |        |    |           |    |    |    |
| 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>0.0000</td><td>Mg</td></tr> <tr><td>&gt;10 - 100</td><td>Mg</td></tr> <tr><td>NA</td><td>Mg</td></tr> </table> | 0.0000 | Mg | >10 - 100 | Mg | NA | Mg |
| 0.0000  | Mg  |        |    |           |    |    |    |
| >10 - 100   | Mg  |        |    |           |    |    |    |
| NA  | Mg  |        |    |           |    |    |    |
| 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:  | Particulate Matter (10)   |        |    |           |    |    |    |
| 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:  | <table border="1"> <tr><td>0.0000</td><td>Mg</td></tr> <tr><td>&gt;10 - 100</td><td>Mg</td></tr> <tr><td>NA</td><td>Mg</td></tr> </table> | 0.0000 | Mg | >10 - 100 | Mg | NA | Mg |
| 0.0000  | Mg  |        |    |           |    |    |    |
| >10 - 100   | Mg  |        |    |           |    |    |    |
| NA  | Mg  |        |    |           |    |    |    |
| 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 Accounting**

Substance:  
CAS Number:

|                          |
|--------------------------|
| Particulate Matter (2.5) |
| 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:  
The amount of substance that was created:  
The amount of substance that was contained in product:

|         |    |
|---------|----|
| 0.0000  | Mg |
| >1 - 10 | Mg |
| NA      | Mg |

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 2017**

Substances for which toxic substance reduction plans have been prepared:

| Substance                     | CASRN     |
|-------------------------------|-----------|
| Chromium (and its compounds)  | NA - 04   |
| Cobalt (and its compounds)    | NA - 05   |
| Copper (and its compounds)    | NA - 06   |
| Cyanides (ionic)              | NA - 07   |
| Manganese (and its compounds) | NA - 09   |
| Nickel (and its compounds)    | NA - 11   |
| Nitric acid                   | 7697-37-2 |
| Vanadium                      | 7440-62-2 |
| Zinc (and its compounds)      | NA - 14   |
| Arsenic (and its compounds)   | NA - 02   |
| Cadmium (and its compounds)   | NA - 03   |
| Lead (and its compounds)      | NA - 08   |
| Selenium (and its compounds)  | NA - 12   |
| Thallium                      | NA - 23   |
| Particulate Matter (TPM)      | NA - M08  |
| Particulate Matter (10)       | NA - M09  |
| Particulate Matter (2.5)      | NA - M10  |

**Plan Objectives**

Tahoe Resources Canada - Bell Creek Complex is committed to pollution prevention and protecting the environment. Whenever technically and economically feasible, the Tahoe Resources Canada - Bell Creek Complex is committed to reduce the use and/or creation of toxic substances identified under the plan in compliance with federal and provincial regulations. Tahoe Resources Canada – Bell Creek Complex is committed to achieving excellence in environmental practices with a goal to minimizing our environmental impact. This includes a proactive approach towards protecting public health and the natural environment through existing and planned environmental and sustainability initiatives.

The Bell Creek Complex is dedicated to reducing its use and creation of toxic substances by continually striving for operational and process efficiency, innovation, and conservation.

**Toxics Reduction Progress**

Variations in the reported quantities have been observed in several categories including quantity used, contained in product, disposal, recycled and released in air. In all of the cases, variations are due to changes in overall production by the facility and material assays, specifically as they relate to the ore, waste rock and tailings processed by the Facility.

**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, Tahoe Resources Canada. 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.

**Comparison of Reported Amounts**

| Substance                         | CASRN     | Report Year | Used        | Created   | In Product | Air         | Water     | Land        | Disposal    |
|-----------------------------------|-----------|-------------|-------------|-----------|------------|-------------|-----------|-------------|-------------|
| Ammonia                           | NA - 16   | 2016        | >0 - 1      | 0.000     | 0.000      | >0 - 1      | >10 - 100 | >0 - 1      | >0 - 1      |
|                                   |           | 2017        | BT          | BT        | BT         | BT          | BT        | BT          | BT          |
|                                   |           | Change      | NA          | NA        | NA         | NA          | NA        | NA          | NA          |
|                                   |           | Change %    | NA          | NA        | NA         | NA          | NA        | NA          | NA          |
| Chromium (and its compounds)      | NA - 04   | 2016        | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >10 - 100   |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >10 - 100   |
|                                   |           | Change      | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >10 - 100   |
|                                   |           | Change %    | 85.32%      | 0.00%     | 0.00%      | 144.69%     | 2.55%     | 56.91%      | 56.91%      |
| Copper (and its compounds)        | NA - 06   | 2016        | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >10 - 100   |
|                                   |           | 2017        | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >100 - 1000 |
|                                   |           | Change      | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >10 - 100   |
|                                   |           | Change %    | 18.6%       | 0.0%      | 0.0%       | 78.8%       | 24.1%     | 45.9%       | 45.9%       |
| Cyanides (ionic)                  | NA - 07   | 2016        | >100 - 1000 | 0.000     | 0.000      | >1 - 10     | >0 - 1    | 0.000       | 0.000       |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >1 - 10     | >0 - 1    | 0.000       | 0.000       |
|                                   |           | Change      | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | 0.000       | 0.000       |
|                                   |           | Change %    | 10.8%       | 0.0%      | 0.0%       | 10.8%       | -44.8%    | 0.0%        | 0.0%        |
| Manganese (and its compounds)     | NA - 09   | 2016        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >10 - 100   | >100 - 1000 |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >10 - 100   | >100 - 1000 |
|                                   |           | Change      | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >100 - 1000 |
|                                   |           | Change %    | -23.0%      | 0.0%      | 0.0%       | 45.8%       | -43.2%    | 11.5%       | 11.5%       |
| Nickel (and its compounds)        | NA - 11   | 2016        | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >10 - 100   |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >10 - 100   |
|                                   |           | Change      | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >0 - 1      | >10 - 100   |
|                                   |           | Change %    | 144.8%      | 0.0%      | 0.0%       | 223.0%      | 38.2%     | 32.8%       | 32.8%       |
| Nitric acid                       | 7697-37-2 | 2016        | >10 - 100   | 0.000     | 0.000      | >0 - 1      | 0.000     | 0.000       | 0.000       |
|                                   |           | 2017        | BT          | BT        | BT         | BT          | BT        | BT          | BT          |
|                                   |           | Change      | NA          | NA        | NA         | NA          | NA        | NA          | NA          |
|                                   |           | Change %    | NA          | NA        | NA         | NA          | NA        | NA          | NA          |
| Vanadium                          | 7440-62-2 | 2016        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >100 - 1000 |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >100 - 1000 |
|                                   |           | Change      | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >10 - 100   |
|                                   |           | Change %    | 13.9%       | 0.0%      | 0.0%       | 63.5%       | 52.3%     | 12.4%       | 12.4%       |
| Zinc (and its compounds)          | NA - 14   | 2016        | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >100 - 1000 |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >100 - 1000 |
|                                   |           | Change      | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >0 - 1      | >10 - 100   |
|                                   |           | Change %    | 115.3%      | 0.0%      | 0.0%       | 225.8%      | -0.7%     | 15.0%       | 15.0%       |
| Arsenic (and its compounds) (kg)  | NA - 02   | 2016        | >100 - 1000 | 0.000     | 0.000      | >1 - 10     | >10 - 100 | >100 - 1000 | >100 - 1000 |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >10 - 100   | >10 - 100 | >100 - 1000 | >100 - 1000 |
|                                   |           | Change      | >100 - 1000 | 0.000     | 0.000      | >1 - 10     | >1 - 10   | >100 - 1000 | >100 - 1000 |
|                                   |           | Change %    | 2.8%        | 0.0%      | 0.0%       | 23.2%       | 52.6%     | 65.9%       | 53.4%       |
| Cadmium (and its compounds) (kg)  | NA - 03   | 2016        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >10 - 100   | >100 - 1000 |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >10 - 100   | >100 - 1000 |
|                                   |           | Change      | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >1 - 10     | >10 - 100   |
|                                   |           | Change %    | -56.1%      | 0.0%      | 0.0%       | 235.9%      | -6.2%     | 12.5%       | 12.5%       |
| Cobalt (and its compounds)        | NA - 05   | 2016        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >10 - 100 | >100 - 1000 | >100 - 1000 |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >10 - 100 | >100 - 1000 | >100 - 1000 |
|                                   |           | Change      | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >10 - 100 | >100 - 1000 | >100 - 1000 |
|                                   |           | Change %    | -23.8%      | 0.0%      | 0.0%       | 44.7%       | 33.5%     | 9.4%        | 9.4%        |
| Lead (and its compounds) (kg)     | NA - 08   | 2016        | >100 - 1000 | 0.000     | 0.000      | >100 - 1000 | >1 - 10   | >100 - 1000 | >100 - 1000 |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >100 - 1000 | >1 - 10   | >100 - 1000 | >100 - 1000 |
|                                   |           | Change      | >100 - 1000 | 0.000     | 0.000      | >1 - 10     | >0 - 1    | >100 - 1000 | >100 - 1000 |
|                                   |           | Change %    | 182.9%      | 0.0%      | 0.0%       | 2.3%        | -6.2%     | -19.9%      | -18.0%      |
| Selenium (and its compounds) (kg) | NA - 12   | 2016        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >1 - 10   | >10 - 100   | >100 - 1000 |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >1 - 10   | >10 - 100   | >100 - 1000 |
|                                   |           | Change      | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >1 - 10   | >1 - 10     | >100 - 1000 |
|                                   |           | Change %    | -23.1%      | 0.0%      | 0.0%       | 8.6%        | 29.8%     | -12.0%      | -12.0%      |
| Thallium (kg)                     | NA - 23   | 2016        | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >10 - 100   | >100 - 1000 |
|                                   |           | 2017        | >100 - 1000 | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >10 - 100   | >100 - 1000 |
|                                   |           | Change      | >10 - 100   | 0.000     | 0.000      | >0 - 1      | >0 - 1    | >0 - 1      | >1 - 10     |
|                                   |           | Change %    | 79.9%       | 0.0%      | 0.0%       | 154.0%      | -6.2%     | -0.9%       | -0.9%       |
| Particulate Matter (TPM)          | NA - M08  | 2016        | 0.000       | >10 - 100 | NA         | >10 - 100   | NA        | NA          | NA          |
|                                   |           | 2017        | 0.000       | >10 - 100 | NA         | >10 - 100   | NA        | NA          | NA          |
|                                   |           | Change      | 0.000       | >10 - 100 | NA         | >10 - 100   | NA        | NA          | NA          |
|                                   |           | Change %    | 0.0%        | 18.5%     | NA         | 18.5%       | NA        | NA          | NA          |
| Particulate Matter (10)           | NA - M09  | 2016        | 0.000       | >10 - 100 | NA         | >10 - 100   | NA        | NA          | NA          |
|                                   |           | 2017        | 0.000       | >10 - 100 | NA         | >10 - 100   | NA        | NA          | NA          |
|                                   |           | Change      | 0.000       | >1 - 10   | NA         | >1 - 10     | NA        | NA          | NA          |
|                                   |           | Change %    | 0.0%        | 25.4%     | NA         | 25.4%       | NA        | NA          | NA          |
| Particulate Matter (2.5)          | NA - M10  | 2016        | 0.000       | >1 - 10   | NA         | >1 - 10     | NA        | NA          | NA          |
|                                   |           | 2017        | 0.000       | >1 - 10   | NA         | >1 - 10     | NA        | NA          | NA          |
|                                   |           | Change      | 0.000       | >1 - 10   | NA         | >1 - 10     | NA        | NA          | NA          |
|                                   |           | Change %    | 0.0%        | 37.4%     | NA         | 37.4%       | NA        | NA          | NA          |

**Report Certification**

As of May 22, 2018, I, Dan Battiston, 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 - 16   | Ammonia                       |
| NA - 04   | Chromium (and its compounds)  |
| NA - 06   | Copper (and its compounds)    |
| NA - 07   | Cyanides (ionic)              |
| NA - 09   | Manganese (and its compounds) |
| NA - 11   | Nickel (and its compounds)    |
| 7697-37-2 | Nitric Acid                   |
| 7440-62-2 | Vanadium                      |
| NA - 14   | Zinc (and its compounds)      |
| NA - 02   | Arsenic (and its compounds)   |
| NA - 03   | Cadmium (and its compounds)   |
| NA - 05   | Cobalt (and its compounds)    |
| NA - 08   | Lead (and its compounds)      |
| NA - 12   | Selenium (and its compounds)  |
| NA - 23   | Thallium (and its compounds)  |
| NA - M08  | Particulate Matter (TPM)      |
| NA - M09  | Particulate Matter (PM10)     |
| NA - M10  | Particulate Matter (PM2.5)    |

The original version of this report is signed off by:

Highest Ranking Employee:

Title:

Phone Number:

|                                     |
|-------------------------------------|
| Dan Battiston                       |
| General Manager Canadian Operations |
| (705) 269-4344 Ext. 4313            |

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.