

Orlick Industries Ltd. – Toxics Reduction Accounting Report for 2017

Basic Facility Information

<b>Name &amp; CAS # of Substance for this Report</b>	Copper – (N/A-06) Zinc – (N/A-14) Particulate Matter (PM10) – N/A-M09 Particulate Matter (PM2.5) – N/A-M10
<b>NPRI ID Number</b>	5904
<b>O.Reg 127/01 ID Number</b>	5655
<b>Legal name of Facility</b>	Orlick Industries Limited
<b>Address of Facility</b>	411 Parkdale Avenue North, Hamilton, Ontario L8H 5Y4
<b>Mailing address of Facility</b>	P.O. Box 5190, Hamilton, Ontario L8L 8G1
<b>Number of Full-time Employees</b>	262
<b>NAICS code for Facility (6 digit)</b>	336390
<b>Facility Public Contact</b>	Patrick Peidl, Environmental Services, 905-544-1997, patrick.peidl@orlick.on.ca
<b>Highest Ranking Employee</b>	Grant Panchyson, General Manager, 905-544-1997
<b>Facility Spatial Coordinates</b>	Latitude: 43.249 Longitude: -79.787
<b>Reporting Date</b>	June 1, 2018

**Summary of Toxic Substance Reduction Activities for 2017 reporting year:**

As per the Toxic Substance Reduction Plan for Copper and Zinc, Particulate Matter 10 and Particulate Matter 2.5, no options were identified for implementation of a reduction plan. The method of tracking of these substances has not changed between reporting years. There were no additional activities outside the scope of the plan.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Copper

CAS Number: N/A-06

**TRA and NPRI quantifications for comparison of 2016 to 2017 for Copper:**

Categories	Change in Tracking/Quantification	2016 Reporting Year (metric tonnes)	2017 Reporting Year (metric tonnes)	Percent change
Used	No	>100 to 1,000	>100 to 1,000	-37%
Created	No	0	0	N/A
Released (air)	Yes	>0 to 1	>0 to 1	+36%
Released (land)	No	0	0	N/A
Released (water)	No	0	0	N/A
Disposed of (on-site)	No	0	0	N/A
Disposed of (off-site)	No	>0 to 1	>0 to 1	+33%
Transferred (for recycling)	No	>10 to 100	>10 to 100	-12%
Contained in Product	No	>100 to 1,000	>100 to 1,000	-38%

**If the comparison indicates changes in the quantification of the substance between calendar years, an explanation of the reasons for the change:** The decrease in the amount used and contained in product is due to a decrease in production. The increase in releases to air is due to the use of updated emission factors for Die Cast Machines and Reverb furnace. The increase in the amount disposed of can be attributed to the fact that an average concentration level is used that is dependent on sample testing results that may vary.

Name: Zinc

CAS Number: N/A-14

**TRA and NPRI quantifications for comparison of 2016 to 2017 for Zinc:**

Categories	Change in Tracking/Quantification	2016 Reporting Year (metric tonnes)	2017 Reporting Year (metric tonnes)	Percent change
Used	No	>100 to 1,000	>100 to 1,000	-36%
Created	No	0	0	N/A
Released (air)	Yes	>0 to 1	>0 to 1	+36%
Released (land)	No	0	0	N/A
Released (water)	No	0	0	N/A
Disposed of (on-site)	No	0	0	N/A
Disposed of (off-site)	No	>0 to 1	>0 to 1	-22%
Transferred (for recycling)	No	>10 to 100	>10 to 100	-30%
Contained in Product	No	>100 to 1,000	>10 to 100	-40%

**If the comparison indicates changes in the quantification of the substance between calendar years, an explanation of the reasons for the change:** The decrease in the amount used contained in product and transferred for recycling is due to a decrease in production. The increase in releases to air is due to the use of updated emission factors for Die Cast Machines and Reverb furnace. The decrease in the amount disposed of can be attributed to the fact that an average concentration level is used that is dependent on sample testing results that may vary.

Name: Particulate Matter 10

CAS Number: N/A-M09

**TRA and NPRI quantifications for comparison of 2016 to 2017 for PM10:**

Categories	Change in Tracking/Quantification	2016 Reporting Year (metric tonnes)	2017 Reporting Year (metric tonnes)	Percent change
<b>Used</b>	No	0	0	N/A
<b>Created</b>	Yes	>1 to 10	>1 to 10	-26%
<b>Released (air)</b>	Yes	>0 to 1	>0 to 1	+26%
<b>Released (land)</b>	No	0	0	N/A
<b>Released (water)</b>	No	0	0	N/A
<b>Disposed of (on-site)</b>	No	0	0	N/A
<b>Disposed of (off-site)</b>	No	0	0	N/A
<b>Transferred (for recycling)</b>	No	0	0	N/A
<b>Contained in Product</b>	No	0	0	N/A

**If the comparison indicates a change in the quantification of the substance between calendar years, an explanation of the reasons for the change:** The decrease in the amount created is due to a decrease in production. The increase in releases to air is due to the use of updated emission factors for Die Cast Machines and Reverb furnace.

Name: Particulate Matter 2.5

CAS Number: N/A-M10

**TRA and NPRI quantifications for comparison of 2016 to 2017 for PM2.5:**

Categories	Change in Tracking/Quantification	2016 Reporting Year (metric tonnes)	2017 Reporting Year (metric tonnes)	Percent change
Used	No	0	0	N/A
Created	Yes	>1 to 10	>1 to 10	-38%
Released (air)	Yes	>0 to 1	>0 to 1	+25%
Released (land)	No	0	0	N/A
Released (water)	No	0	0	N/A
Disposed of (on-site)	No	0	0	N/A
Disposed of (off-site)	No	0	0	N/A
Transferred (for recycling)	No	0	0	N/A
Contained in Product	No	0	0	N/A

**If the comparison indicates a change in the quantification of the substance between calendar years, an explanation of the reasons for the change:** The decrease in the amount created is due to a decrease in production. The increase in releases to air is due to the use of updated emission factors for Die Cast Machines and Reverb furnace.

**Certification Statement:**

**Highest Ranking Employee**

As of June 1 2018, I, Grant Panchyson, 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

Copper (and its component), N/A-06

Zinc (and its component), N/A-14

Particulate Matter 10, N/A-M09

Particulate Matter 2.5, N/A-M10

Grant Panchyson (original signature on file at facility)

General Manager  
Orlick Industries Limited