

Orlick Industries Ltd. – Toxics Reduction Accounting Report for 2016

Basic Facility Information

Name & CAS # of Substance for this Report	Copper – (N/A-06) Zinc – (N/A-14) Particulate Matter (PM10) – N/A-M09 Particulate Matter (PM2.5) – N/A-M10
NPRI ID Number	5904
O.Reg 127/01 ID Number	5655
Legal name of Facility	Orlick Industries Limited
Address of Facility	411 Parkdale Avenue North, Hamilton, Ontario L8H 5Y4
Mailing address of Facility	P.O. Box 5190, Hamilton, Ontario L8L 8G1
Number of Full-time Employees	271
NAICS code for Facility (2, 4 and 6 digit)	33, 3363, 336390
Facility Public Contact	Patrick Peidl, Environmental Services, 905-544-1997
Facility UTM Coordinates	17 (zone), 598452.00 m (east), 4789064.13 m (north)
Reporting Date	June 1, 2017

Summary of Toxic Substance Reduction Activities for 2016 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 and quantification of these substances have 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 2015 to 2016 for Copper:

Categories	Change in Tracking/Quantification	2015 Reporting Year (metric tonnes)	2016 Reporting Year (metric tonnes)	Percent change
Used	No	>100 to 1,000	>100 to 1,000	-8%
Created	No	0	0	N/A
Released (air)	Yes	>0 to 1	>0 to 1	+58%
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	-10%
Transferred (for recycling)	No	>10 to 100	>10 to 100	-37%
Contained in Product	No	>100 to 1,000	>100 to 1,000	-5%

If the comparison indicates changes in the quantification of the substance between calendar years, an explanation of the reasons for the change: The increase in the amount released to air was due to a change in the method of quantification. Source testing was performed to determine updated emission rates as required by the MOECC. 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. The decrease in the amount transferred for recycling is due to a reduction in the amount of recyclable material generated as part of the production process.

Name: Zinc

CAS Number: N/A-14

TRA and NPRI quantifications for comparison of 2015 to 2016 for Zinc:

Categories	Change in Tracking/Quantification	2015 Reporting Year (metric tonnes)	2016 Reporting Year (metric tonnes)	Percent change
Used	No	>100 to 1,000	>100 to 1,000	-8%
Created	No	0	0	N/A
Released (air)	Yes	>0 to 1	>0 to 1	+58%
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	+84%
Transferred (for recycling)	No	>10 to 100	>10 to 100	-43%
Contained in Product	No	>100 to 1,000	>100 to 1,000	-5%

If the comparison indicates changes in the quantification of the substance between calendar years, an explanation of the reasons for the change: The increase in the amount released to air was due to a change in the method of quantification. Source testing was performed to determine updated emission rates as required by the MOECC. 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. The decrease in the amount transferred for recycling is due to a reduction in the amount of recyclable material generated as part of the production process.

Name: Particulate Matter 10

CAS Number: N/A-M09

TRA and NPRI quantifications for comparison of 2015 to 2016 for PM10:

Categories	Change in Tracking/Quantification	2015 Reporting Year (metric tonnes)	2016 Reporting Year (metric tonnes)	Percent change
Used	No	0	0	N/A
Created	Yes	>1 to 10	>1 to 10	+39%
Released (air)	Yes	>1 to 10	>0 to 1	-51%
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 released to air and increase in the amount created was due to a change in the method of quantification. Source testing was performed to determine updated emission rates as required by the MOECC.

Name: Particulate Matter 2.5

CAS Number: N/A-M10

TRA and NPRI quantifications for comparison of 2015 to 2016 for PM2.5:

Categories	Change in Tracking/Quantification	2015 Reporting Year (metric tonnes)	2016 Reporting Year (metric tonnes)	Percent change
Used	No	0	0	N/A
Created	Yes	>1 to 10	>1 to 10	+39%
Released (air)	Yes	>0 to 1	>0 to 1	-50%
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 released to air and increase in the amount created was due to a change in the method of quantification. Source testing was performed to determine updated emission rates as required by the MOECC.

Certification Statement:

Highest Ranking Employee

As of June 15 2017, 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)

Assistant General Manager

Orlick Industries Limited