

Orlick Industries Ltd. – Toxics Reduction Accounting Report for 2017

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	7239
O.Reg 127/01 ID Number	5657
Legal name of Facility	Orlick Industries Limited
Address of Facility	500 Seaman Street, Stoney Creek, Ontario L8E 2V9
Mailing address of Facility	P.O. Box 5190, Hamilton, Ontario L8L 8G1
Number of Full-time Employees	157
NAICS code for Facility (6 digit)	336390
Facility Public Contact	Patrick Peidl, Environmental Services, 905-544-1997, patrick.peidl@orlick.on.ca
Highest Ranking Employee	Grant Panchyson, General Manager, 905-544-1997
Facility Spatial Coordinates	Latitude: 43.231 Longitude: -79.708
Reporting Date	June 1, 2018

Summary of Toxic Substance Reduction Activities for 2017 reporting year:

As per the Toxic Substance Reduction Plan for Copper, Zinc, Lead, 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.

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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	>10 to 100	>10 to 100	-3%
Created	No	0	0	N/A
Released (air)	No	>0 to 1	>0 to 1	+39%
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	-44%
Transferred (for recycling)	No	>1 to 10	>1 to 10	+1%
Contained in Product	No	>10 to 100	>10 to 100	-4%

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 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: 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	>10 to 100	>10 to 100	-3%
Created	No	0	0	N/A
Released (air)	No	>0 to 1	>0 to 1	+39%
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	> 1 to 10	-2%
Contained in Product	No	>10 to 100	>10 to 100	-3%

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 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
Used	No	0	0	N/A
Created	Yes	>1 to 10	>1 to 10	-14%
Released (air)	No	>1 to 10	>0 to 1	-35%
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 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	-14%
Released (air)	No	>1 to 10	>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	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 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 (PM10), N/A-M09

Particulate Matter 2.5 (PM2.5), N/A-M10

Grant Panchyson (original signature on file at facility)

General Manager

Orlick Industries Limited