



# National Pollutant Release Inventory (NPRI) and



Canada

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## Report Preview

### Report Details

Report Year

2016

Report Type:

NPRI,ON MOE TRA

Report Status:

Submitted

Modified Date/Time:

01/06/2017 3:24 PM

### Company and Facility Details

Company Name:

Noranco Inc. - Pickering

Business Number:

894141241

Mailing Address:

Delivery Mode: GeneralDelivery  
Address Line 1: 1842 Clements Road  
City, Province/Territory, Postal Code: Pickering Ontario L1W3R8  
Country: Canada

Facility Name:

Noranco

NAICS Code:

336410

NPRI ID:

11258

Physical Address:

Address Line 1: 1842 Clements Road  
City, Province/Territory, Postal Code: Pickering Ontario L1W3R8  
Country: Canada  
Latitude: 43.82450  
Longitude: -79.05570  
UTM Zone: 17  
UTM Easting: 656342  
UTM Northing: 4854218

### Contacts Details

Contact Type

Technical Contact, Person who prepared the report

Name:

Terence Fernandes

Position:

General Manager

Telephone:

9058310100

Email:

Terence.Fernandes@noranco.com

Contact Type

Certifying Official, Highest Ranking Employee

Name:

Terence Fernandes

Position:

General Manager

Telephone:

9058310100

Email:	terence.fernandes@noranco.com
Contact Type	Contractor Contact
Name:	Erik Martinez
Position:	Environmental Consultant
Telephone:	5198840510
Fax:	5198840525
Email:	erik.martinez@ghd.com
Independent contractor/consultant company name:	GHD Limited
Contact Type	Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Jeff Chalmers
Position:	Special Projects Manager
Telephone:	9058310100
Fax:	9058310104
Email:	jeff.chalmers@noranco.com
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 1842 Clements Road City, Province/Territory, Postal Code: Pickering Ontario L1W3R8 Country: Canada

General Information

Number of employees:	242
Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:	None of the above
Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene:	None of the above
Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs):	Wood preservation using creosote: No
Is this the first time the facility is reporting to the NPRI (under current or past ownership):	No
Is the facility controlled by another Canadian company or companies:	No
Did the facility report under other environmental regulations or permits:	No
Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants):	No

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 05	Cobalt (and its compounds)	1.0000	N/A	N/A	66.0000	kg
NA - 06	Copper (and its compounds)	0.0680	N/A	N/A	4.0520	tonnes
NA - 14	Zinc (and its compounds)	0.0820	N/A	N/A	4.0610	tonnes

Applicable Programs

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
NA - 05	Cobalt (and its compounds)	Yes	Yes		Yes
NA - 06	Copper (and its compounds)	Yes	Yes		No
NA - 14	Zinc (and its compounds)	Yes	Yes		Yes

General Information about the Substance - Releases and Transfers of the Substance

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
NA - 05	Cobalt (and its compounds)	Yes	No	No
NA - 06	Copper (and its compounds)	Yes	Yes	No
NA - 14	Zinc (and its compounds)	Yes	Yes	No

General Information about the Substance - Disposals and Off-site Transfers for Recycling

CAS RN	Substance Name	Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal	Is the facility required to report on disposals of tailings and waste rock for the selected reporting period	Was the substance transferred off-site for recycling
NA - 05	Cobalt (and its compounds)	No	No	Yes
NA - 06	Copper (and its compounds)	No	No	Yes
NA - 14	Zinc (and its compounds)	No	No	Yes

General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
NA - 05	Cobalt (and its compounds)		As an article component	
NA - 06	Copper (and its compounds)		As an article component	
NA - 14	Zinc (and its compounds)		As an article component	

Substances added to/removed from the report

CAS RN	Substance Name	Added/Removed	Comment
NA - 05	Cobalt (and its compounds)	Added	The new de minimus percentage and reporting threshold triggered this toxic substance reporting requirements this year.

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - 05	Cobalt (and its compounds)	Use	269 kg	Yes
NA - 05	Cobalt (and its compounds)	Creation	0 kg	Yes
NA - 05	Cobalt (and its compounds)	Contained in Product	202 kg	Yes
NA - 06	Copper (and its compounds)	Use	18.224 tonnes	Yes
NA - 06	Copper (and its compounds)	Creation	0 tonnes	Yes
NA - 06	Copper (and its compounds)	Contained in Product	14.104 tonnes	Yes
NA - 14	Zinc (and its compounds)	Use	22.011 tonnes	Yes
NA - 14	Zinc (and its compounds)	Creation	0 tonnes	Yes
NA - 14	Zinc (and its compounds)	Contained in Product	17.869 tonnes	Yes

TRA Quantifications - Others

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Description of how an incident(s) affected quantifications	Significant Process Change
NA - 05	Cobalt (and its compounds)					No
NA - 06	Copper (and its compounds)					No
NA - 14	Zinc (and its compounds)					No

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 05	Cobalt (and its compounds)	Stack or Point Releases	E2 - Published Emission Factors		1 kg

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - 05	Cobalt (and its compounds)	1 kg

Total Quantity Released (All Media)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 06	Copper (and its compounds)	Total Quantity Released	E2 - Published Emission Factors		0.068 tonnes
NA - 14	Zinc (and its compounds)	Total Quantity Released	E2 - Published Emission Factors		0.082 tonnes

On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 05	Cobalt (and its compounds)	1 kg

On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
NA - 05	Cobalt (and its compounds)	25	25	25	25
NA - 06	Copper (and its compounds)	25	25	25	25
NA - 14	Zinc (and its compounds)	25	25	25	25

On-site Releases - Reasons for Changes in Quantities Released from Previous Year

CAS RN	Substance Name	Reasons for Changes in Quantities from Previous Year	Comments
NA - 05	Cobalt (and its compounds)	Not applicable (first year reporting this substance)	
NA - 06	Copper (and its compounds)	Changes in production levels	
NA - 14	Zinc (and its compounds)	Changes in production levels	

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
NA - 05	Cobalt (and its compounds)		Not applicable (first year reporting this substance)	
NA - 06	Copper (and its compounds)		Changes in production levels	
NA - 14	Zinc (and its compounds)		No significant change (i.e. < 10%) or no change	

Recycling - Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 05	Cobalt (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		66 kg
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		4.052 tonnes
NA - 14	Zinc (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		4.061 tonnes

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 05	Cobalt (and its compounds)	66 kg
NA - 06	Copper (and its compounds)	4.052 tonnes
NA - 14	Zinc (and its compounds)	4.061 tonnes

Recycling - Off-site Transfers for Recycling - By Facility

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 05	Cobalt (and its compounds)	Recovery of Metals and Metal Compounds	Central Machinery and Metals	2520 Rena Road, Mississauga, ON, Canada	66 kg
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Central Machinery and Metals	2520 Rena Road, Mississauga, ON, Canada	4.052 tonnes
NA - 14	Zinc (and its compounds)	Recovery of Metals and Metal Compounds	Central Machinery and Metals	2520 Rena Road, Mississauga, ON, Canada	4.061 tonnes

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
NA - 05	Cobalt (and its compounds)	Unusable parts or discards Machine or finishing residues	Not applicable (first year reporting this substance)	

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
NA - 06	Copper (and its compounds)	Unusable parts or discards Machine or finishing residues	Changes in production levels	
NA - 14	Zinc (and its compounds)	Unusable parts or discards Machine or finishing residues	No significant change (i.e. < 10%) or no change	

### Comparison Report - Enters, Creation, Contained in Product

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Enters the facility (Use)	18.224 tonnes	11.661 tonnes	2015	6.563	56.28
NA - 06	Copper (and its compounds)	No	Creation	0 tonnes	0 tonnes	2015	0	
NA - 06	Copper (and its compounds)	No	Contained in Product	14.104 tonnes	8.904 tonnes	2015	5.200	58.40

### Comparison Report - Enters, Creation, Contained in Product : Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 06	Copper (and its compounds)	Increase in production levels	

### Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Total Releases to Air	0 tonnes	0 tonnes	2014	0	
NA - 06	Copper (and its compounds)	No	Total Releases to Water	0 tonnes	0 tonnes	2014	0	
NA - 06	Copper (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2014	0	
NA - 06	Copper (and its compounds)	No	Total Releases to All Media	0.068 tonnes	0.163 tonnes	2015	-0.095	-58.28

### Comparison Report - On-site Releases - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 06	Copper (and its compounds)	Decrease in production levels	

### Comparison Report - Transfers off-site for Recycling

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Total off-site Transfers for Recycling	4.052 tonnes	2.593 tonnes	2015	1.459	56.27

### Comparison Report - Transfers off-site for Recycling - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 06	Copper (and its compounds)	Increase in production levels	

### Pollution Prevention

Does the facility have a documented pollution prevention plan?

No

Did the facility complete any pollution prevention activities in the current NPRI reporting year

No

### Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
NA - 06	Copper (and its compounds)	Noranco manufactures parts, components and systems for the aerospace industry. Noranco has several programs already in place to reduce the use of materials containing copper at the facility, and will continue to explore ways to further reduce the use of materials containing copper at the facility. At this point, it is not technically or economically feasible to further reduce materials containing copper due to rigorous design specifications and manufacturing requirements by the customers.

### Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 06	Copper (and its compounds)	No quantity target	No timeline target	

Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 06	Copper (and its compounds)	No quantity target	No timeline target	

Progress on TRA Plan - Additional Actions

CAS RN	Substance Name	Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	Describe any additional actions that were taken during the reporting period to achieve the plan's objectives	Provide a public summary of the description of the additional action taken
NA - 06	Copper (and its compounds)	No		

Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - 06	Copper (and its compounds)	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.	

Progress on TRA Plan - Amendments

CAS RN	Substance Name	Were any amendments made to the toxic substance reduction plan during the reporting period	Description any amendments that were made to the toxic substance reduction plan during the reporting period	Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period
NA - 06	Copper (and its compounds)	No		

Report Submission and Electronic Certification

NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

Noranco Inc. - Pickering

Certifying Official (or authorized delegate)

Terence Fernandes

Report Submitted by

Terence Fernandes

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

## ON MOE TRA - Electronic Certification Statement

### Annual Report Certification Statement

As of 01/06/2017, I, Terence Fernandes, 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 - 05	Cobalt (and its compounds)
NA - 06	Copper (and its compounds)
NA - 14	Zinc (and its compounds)

Company Name  
Noranco Inc. - Pickering

Highest Ranking Employee  
Terence Fernandes

Report Submitted by  
Terence Fernandes

Website address

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.

### Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2016	01/06/2017	Noranco	Ontario	Pickering	NPRI,ON MOE TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.

Version: 3.11.4



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