

Appendix A TRA Plan Summary – Cobalt

Basic Facility Information		
Name & CAS # of Substance	Cobalt	7440-48-4
Substances for which other Plans have been prepared	Zinc	7550-66-6
	Copper	7440-40-8
Facility Identification and Site Address		
Company Name	Noranco Inc.	
Facility Name	Noranco Inc. – Pickering Division	
Facility Address	Physical Address:	Mailing Address: (if different)
	1842 Clements Road Pickering, ON L1W 3R8	
Spatial Coordination of Facility	656342 E 4854218 N; Zone 17	
Number of Employees	242	
NPRI ID		
Ontario MOECC ID Number		
Parent Company (PC) Information		
PC Name & Address	Noranco Inc.	
Percent Ownership for each PC	710 Rowntree Dairy Road Vaughan, ON L4L 5T8 100 percent	
Business Number for PC	894141241	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 Manufacturing	
4 Digit NAICS Code	3364 – Aerospace product and parts manufacturing	
6 Digit NAICS Code	336410 – Aerospace product and parts manufacturing	
Company Contact Information		
Facility Public Contact	Leah Kraft HR Manager leah.kraft@pccaero.ca Phone: 905-264-2050	Same address as facility
Facility Technical Contact	Same as Public Contact	Same address as facility
Company Coordinator Contact	Same as Public Contact	Same address as facility

Basic Facility Information		
Person who Prepared the Plan: (if different from the Coordinator)	Robert Morgan, M.A.Sc., B.Eng. Environmental Consultant robert.morgan@ghd.com Phone: 519- 884-0510 x2337	GHD Ltd. 651 Colby Drive Waterloo, ON N2V 1C2
Highest Ranking Employee	John O’Leary Director of Operations john.oleary@noranco.com Phone: 905-831-0100	Same address as facility
Planner Information:		
Planner Responsible for Making Recommendations	Erik Martinez, P. Eng. Environmental Consultant Planner License No. TSRP0005 erik.martinez@ghd.com Phone: 519- 884-0510 x2342	GHD Ltd. 651 Colby Drive Waterloo, ON N2V 1C2
Planner Responsible for Certification	(Same as planner responsible for making recommendations)	

Toxic Reduction Policy Statement of Intent

Noranco Inc. (Noranco) does not intend to reduce the use of cobalt. Noranco does not create cobalt, therefore, this plan does not address reducing its creation.

Reduction Objectives

Noranco was unable to identify any reduction options during the development of this Plan. Therefore, there is no reduction objective at this time.

Description of Facility

Noranco manufactures parts, components, and systems for the aerospace industry. The manufacturing processes include machining, shearing and cutting, deburring, welding, painting, alodine coating and assembly. The North American Industry Classification System (NAICS) Code that applies to this Facility is 336410 – Aerospace product and parts manufacturing.

Toxic Substance Reduction Options

After looking into the seven categories of toxic substance reduction options, no options were identified. Explanations are provided in the table below to detail why an option could not be identified in each category.

Toxic Substance Reduction Category	Option: Identification and Description
1) Materials or feedstock substitution	No option identified: Cobalt is present in the stainless steel received at the Facility. Noranco is required to order specific raw materials in order to meet their client specifications. Noranco does not have the ability to change the material or its composition.

Toxic Substance Reduction Category	Option: Identification and Description
2) Product design or reformulation	No option identified: Cobalt is present in the stainless steel received at the Facility. Noranco is required to order specific raw materials in order to meet their client specifications. Noranco does not have the ability to change the material or its composition.
3) Equipment or Process Modification	No option identified: The current equipment used and the processes at the Facility produce final products that meet the specifications of the clients. No changes to equipment or modifications would provide a potential reduction in the amount of cobalt used.
4) Spill and Leak prevention	No option identified: The types of raw materials used at Noranco are solid metals which do not pose an issue for spills or leaks.
5) On-site reuse or recycling	No option identified: The Facility transfers all metal residual pieces off-site for recycling. The residual pieces are not of sufficient size to be reused to manufacture other parts at the Facility and therefore cannot be reused on-site.
6) Improve inventory management or purchasing techniques	No option identified: The raw material that is purchased is based on customer demand and product specifications. Any material kept in storage on-site does not release cobalt as does not deteriorate at the Facility. Improved inventory management or purchasing techniques is not expected to reduce cobalt at the Facility.
7) Training or improved operating practices	No option identified: Employees are trained on each piece of machinery, and the requirements for every part that the Facility produces. Work instruction and quality control documents are posted at every work station. Employees are trained on any changes or updates to the production process.

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for the use of cobalt.

Certification by Highest Ranking Employee

Attached.

Certification by Licensed Planner

Attached.