

Appendix A TRA Plan Summary – Zinc

| Basic Facility Information | | |
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| Name & CAS # of Substance | Zinc | 7550-66-6 |
| Substances for which other Plans have been prepared | Cobalt Copper | 7440-48-4 7440-40-8 |
| Facility Identification and Site Address | | |
| Company Name | Noranco Inc. | |
| Facility Name | Noranco Inc. – Pickering Division | |
| Facility Address | Physical Address: 1842 Clements Road Pickering, ON L1W 3R8 | Mailing Address: (if different) |
| 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 Rountree 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 Environment, Health & Safety Specialist leah.kraft@pccaero.ca Phone: 905-264-2050 | Same address as facility |
| Facility Technical Contact | John O'Leary General Manager john.oleary@noranco.com Phone: 905-831-0100 | Same address as facility |
| Company Coordinator Contact | Same as Technical 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 | Same as Technical Contact | 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 zinc. Noranco does not create zinc, 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: Zinc is present in the aluminum, stainless steel, steel, and brass and alloy 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. |
| 2) Product design or reformulation | No option identified: Zinc 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 |
|--|--|
| 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 zinc 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 zinc as does not deteriorate at the Facility. Improved inventory management or purchasing techniques is not expected to reduce zinc 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 zinc.

Certification by Highest Ranking Employee

Attached.

Certification by Licensed Planner

Attached.