

Ontario Toxics Reduction Plan Summary Public Disclosure – 2016

Facility Details

Facility Name: PEMCO Inc.
NPRI Identification Number: 11103
Two Digit NAICS Code: 31-33 - Manufacturing
Four Digit NAICS Code: 3323 – Architectural & Structural Metal Mfg.
Six Digit NAICS Code: 332311 – Prefabricated Metal Building & Component Mfg.
Number of Full-Time Employees: 11
UTM Spatial Co-ordinates: X (E) 335993; Y(N) 5074655; Zone 17; (-77.11, 45.80)

Public Contact at Facility

Name: Jim Collelo
Position: General Manager
Address: 555 Paul Martin Drive, Pembroke, ON, K8A 7M5
Office Phone Number: 416-575-2286

Facility Description

PEMCO Inc., Paul Martin Facility, fabricates steel beams, posts, angles and plate by cutting steel to specified lengths, welding, grinding and spray painting the finished steel product.

Substances Information

Manganese (CAS # 7439-96-5) is a component of the raw steels that are received and processed at PEMCO. Manganese is not created nor destroyed during production processes. There is no transformation of manganese, and this substance leaves the facility in the same ratios as received, as a component of finished, forged steel products. Residual quantities of the manganese are released in scrap materials that are sent to off-site recycling.

Substance Accounting Details

| Process Type | Manganese (tonnes/a) | | |
|-------------------------------------|-------------------------|------------|----------|
| | 2016 | 2015 | % Change |
| Enters (total) | >10 to 100 | >10 to 100 | -3.4 |
| Created | 0 | 0 | 0 |
| In/on Product | >10 to 100 | >10 to 100 | -3.9 |
| Released, as Air Emissions | >0 to 1 | >0 to 1 | -4.6 |
| Released on-site to land | 0 | 0 | 0 |
| Released to water | 0 | 0 | 0 |
| Released, Transferred for Recycling | >1 to 10 | >0 to 1 | 15.5 |
| Released to Disposal | 0 | 0 | 0 |

Historical Comparison

There is a decrease in the amounts of manganese processed and in product due to a decrease in production in 2016 compared to 2015. There is an increase the amounts of manganese released due to increased recycling.

Reduction Plan Objectives and Targets:

As manganese is key component in the various grades of steel processed at PEMCO, its' elimination is not a viable option. PEMCO intends to investigate opportunities for the reduction of the releases of residues of manganese by up to 5 % over the next 5 to 8 years. Best operating practices such as minimizing scrap and using drops for future, secondary products will continue to be implemented.

Reduction Options Under Consideration for Implementation:

Annual P2 review meetings and annual BOP refresher courses in forging operations will be conducted to identify activities for continued improvement.

Additional Actions and Their Impact on Substance Use, Creation and Discharge:

No additional actions have been implemented to reduce the usage of manganese.

Amendments or Changes to Toxic Reduction Plans During Report Period:

No amendments or changes have been made to the facility's toxics reduction plans.

Copy of Certification:

As of May 29th 2017, I, Jim Collelo, certify that I have read the reports on the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the information contained in the report is factually accurate and complies with the Toxics Reduction Act 2009 and Ontario Regulation 455/09 (General) made under that Act in all respects except for submission of the plan by the deadline date of December 31, 2012.

Manganese



Jim Collelo
General Manager
PEMCO Inc., Paul Martin Facility
(Highest Ranking Employee)

29 May 2017

Date