

SUMMARY

TOXIC SUBSTANCE REDUCTION PLANS

**MERIDIAN LIGHTWEIGHT
TECHNOLOGIES INC.**

**800 WRIGHT STREET
STRATHROY**

MANGANESE

December 10, 2015

Statement of Intent and Objectives of the Plan

Statement of Intent: Manganese is currently used by Meridian in multiple processes involving the Wright Street facility. We intend to reduce the use of Manganese at this facility. Manganese is not created at the facility and therefore this Plan will not address reducing creation. There are no technically feasible options identified for implementation for the Wright Street facility for reduction of the use of Manganese at this time.

Objective: Meridian operates the Wright Street facility with the commitment to minimizing the impacts of the operations on the employees, the environment and the surrounding community. Meridian will continue to pursue options that are technically and economically achievable for the reduction of the use of Manganese at this facility.

Meridian casts, machines and assembles magnesium alloy parts according to customer specifications. Ingots of magnesium alloy containing manganese as a constituent component of the alloys are melted, cast and machined according to the product specifications prior to shipment to the customer. The component manganese follows the movements of the metal alloys through the Facility processes. Magnesium alloy residues from the casting and machining operations are recycled in an in-house material recycling operation and are re-used as raw material supply. Magnesium alloy residues from melting, casting and machining operations are transferred to facilities off-site for metal recovery and recycling.

Facility Information

Facility Name:	Meridian Lightweight Technologies Inc.
NPRI Identification Number:	7675
Two Digit NAICS Code:	33
Four Digit NAICS Code:	3315
Six Digit NAICS Code:	331523
Number of Full-time Employees:	160
UTM Spatial Coordinates (NAD83):	Latitude: 449508 Longitude: 4759827 Datum: NAD 83

Owner of the Facility Information

Name: Meridian Lightweight Technologies Inc.

Operator of the Facility Information

Name: Meridian Lightweight Technologies Inc.
Address: 155 High Street E., Strathroy ON N7G 1H4
Phone Number: (519) 245-4040 x244
Fax Number: (519) 245-4620
Email: dlyons@meridian-mag.com

Toxic Substances for Which Facility Must Prepare Plan:

Substance 1	Manganese
CAS Number:	**
Substance 2 (in another Plan)	PM2.5
CAS Number:	**

Public Contact

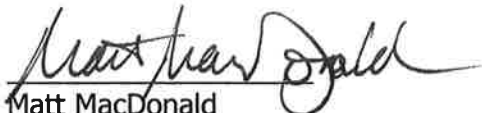
Name: Don Lyons
Position: HSE Specialist
Address: 155 High St. E., Strathroy, ON N7G 1H4
Phone Number: (519) 245-4040 x244
Fax Number: (519) 245-4620
Email: dlyons@meridian-mag.com

There have been no options for reduction of the use of manganese selected for implementation at this time due to the restrictions of materials of construction composition imposed on Meridian by the technical specifications of product customers.

This Plan Summary accurately reflects the content of the Toxic Substance Reduction Plans dated December 10, 2015, prepared for Manganese at Meridian, 800 Wright Street, Strathroy.

As of December 10, 2015, I, Matt MacDonald, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Manganese



Matt MacDonald
Plant Manager, Meridian Lightweight Technologies Inc.
(Highest Ranking Employee)

12/10/15
Date

As of December 10, 2015, I, Tim Boose, certify that I am familiar with the processes at Meridian Lightweight Technologies Inc. that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 10, 2015 and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Manganese



Tim Boose
Toxic Substance Reduction Planner
Licence # TSRP0095

12/10/15
Date