

Report Preview

Company Details

Name

Meridian Technologies Inc.

Address

155 High Street East, Strathroy (Ontario)

Report Details

Report Status

Submitted

2014

Report Type

Inventory

Facility Name

Meridian Lightweight Technologies Inc. Plant E

Facility Address

800 Wright Street, Strathroy (Ontario)

Update Comments

Activity Details

Applicable Programs

Please select all that apply.

Environment Canada Programs

NPRI - National Pollutant Release Inventory

Partnering Programs

ON MOE TRA - Ontario Ministry of the Environment for the Toxic Reductions Act

ON MOE Reg. 127/01 - Ontario Ministry of the Environment for the Airborne Contaminant Discharge Monitoring and Reporting Regulation

- NERM - Chemistry Industry Association of Canada for the National Emission Reduction Masterplan survey
- NFPRER - National Framework for Petroleum Refinery Emission Reductions

Contacts

Select the appropriate person from the drop-down menu for each contact.

Facility Contacts

Select the appropriate person from the drop-down menu for each contact.

Technical Contact: *

Don Lyons

Certifying Official (or authorized delegate): *

Don Lyons

Highest Ranking Employee: *

Matt MacDonald

Person who prepared the report: *

Don Lyons

Person who coordinated the preparation of the Toxics Reduction Plan (required after a plan summary has been submitted)

Don Lyons

Company Coordinator (optional)

Public Contact (optional)

Contractor Contact (optional)

If you are an independent contractor or consultant, please enter your company name in the field below

Employees and Activities

Employees

Number of Employees *

160

Activities

If your facility was engaged in any of the following activities, check the relevant box(es), otherwise click "None of the Above". For the second "Activities" list, if you select one of these activities then you must report dioxins, furans and hexachlorobenzene.

Activities for Which the 20,000-Hour Employee Threshold Does Not Apply: (check all that apply) *

None of the above

Activities Relevant to Reporting Dioxins, Furans and Hexachlorobenzene: (check all that apply) *

None of the above

Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs)

Did the following activity take place at the facility?

Wood preservation using creosote: *

No

General Facility Information

NPRI

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)? *

Yes

If 'Yes' to reporting for one or more Part 4 substances: Was the facility shut down for more than one week during the year? **

No

Operating Schedule - Days of the Week **

Mon	Tue	Wed	Thu	Fri	Sat	Sun
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Operating Schedule - Hours **

Usual Number of Operating Hours per day

Usual Daily Start Time (24h) (hh:mm)

24

00:00

Shutdown Periods **

To report a shutdown period, click the "+" sign to the right side of the screen.

Empty

General Comments for Facility

Comments

Verify Facility Information

Company Information

Company Details

Company Legal Name

Meridian Technologies Inc.

Business Number

899731335

Mailing Address

Delivery Mode

General Delivery

PO Box

Rural Route Number

Address Line 1

155 High Street East

City *

Strathroy

Province/Territory **

Ontario

Postal Code: **

N7G1H4

Country *

Canada

Facility Information

Facility *

Meridian Lightweight Technologies Inc. Plant E

NAICS Code *

331523

NPRI ID *

Facility Physical Address

Address Line 1

City

Province/Territory

Postal Code

Country

Additional Information

Land Survey Description

National Topographical Description

Geographical Address

Latitude **

Longitude **

UTM Zone **

UTM Easting **

UTM Northing **

Facility Contacts

Contact Types

Technical Contact

First Name: *

Last Name: *

Position: *

Telephone: *

Ext
Fax
Email: *

Mailing Address

Delivery Mode
PO Box
Rural Route Number
Address Line 1
City *
Province/Territory **
Postal Code: **
Country *

Certifying Official

First Name: *
Last Name: *
Position: *
Telephone: *
Ext
Fax
Email: *

Mailing Address

Delivery Mode
PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

Country *

Highest Ranking Employee

First Name: *

Last Name: *

Position: *

Telephone: *

Ext

Fax

Email: *

Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

Country *

Person who prepared the report

First Name: *

Last Name: *

Position: *

Telephone: *

Ext

Fax

Email: *

Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

Country *

Person who coordinated the preparation of the Toxics Reduction Plan

First Name: *

Last Name: *

Position: *

Telephone: *

Ext

Fax

Email: *

Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

Country *

Pollution Prevention

Pollution Prevention Plans

Does the facility have a documented pollution prevention plan? *

If 'Yes'

a) Please check all that apply

b) Did the facility update their plan in the current reporting year?

c) Does the plan address substances, energy conservation, or water conservation?

Please summarize your pollution prevention plan and/or your pollution prevention activities (this information will be publicly available) **

Pollution Prevention Activities

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

No

Selecting "Yes" will initiate the reporting of the specific pollution prevention activities that were completed in the current reporting year on the following screen.

Substance Details

NA - M10, PM2.5 - Particulate Matter <= 2.5 Microns

NA - M10, PM2.5 - Particulate Matter <= 2.5 Microns

Substance Reporting Status

Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. *

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. *

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) *

No

Would you like to create an exit record for this ON MOE TRA substance? *

No

Comments

TRA Quantifications

Enters the facility (Use), Creation, Contained in Product for ON MOE TRA

Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) **

0.000

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

No

Creation

The amount of substance that is created

Quantity (Tonnes) **

0.415

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Yes

Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes **

Select the reason for change: **

Describe how the change impact tracking and quantification of the substance **

Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected **

Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

On-site Releases

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

Enter the values for releases to air for the substance

Releases to Air

Category	Basis Of Estimate	Quantity (Tonnes)
Stack or Point Releases	O - Engineering Estimates	0.415
Storage or Handling Releases	NA - Not Applicable	
Fugitive Releases	NA - Not Applicable	
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	
Road Dust	NA - Not Applicable	

Total - Releases to Air

0.415

Breakdown of Annual Releases

Distribute Equally

Monthly Releases

January %	February %	March %	April %
8.33	8.33	8.34	8.33
May %	June %	July %	August %
8.33	8.34	8.33	8.33
September %	October %	November %	December %
8.34	8.33	8.33	8.34

Total %

100.00

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons *

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases) **

Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Enters the facility (Use)

Enters the facility (Use)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.000	0.000	2013	0.000	

Creation

Creation

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.415	0.410	2013	0.005	1.22

Reasons for Change

Reasons for Change

Reason(s) for Change

No reasons - quantities approximately the same

(please specify)

Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your

previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total Releases to Air

Total Releases to Air

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.415	0.410	2013	0.005	1.22

Total Releases to Water

Total Releases to Water

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	

Total Releases to Land

Total Releases to Land

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	

Reasons for Change

Reasons for Change

Reason(s) for Change

Increase in production levels

(please specify)

NA - 09, Manganese (and its compounds)

NA - 09, Manganese (and its compounds)

Substance Reporting Status

Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. *

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. *

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) *

Yes

Would you like to create an exit record for this ON MOE TRA substance? *

No

Comments

General Information about the Substance

Releases and Transfers of the Substance

Releases and Transfers of the Substance

Was the substance released on-site? *

No

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? *

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? *

No

Was the substance transferred off-site for recycling? *

Yes

Nature of Activities *

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

Process the Substance

Otherwise Use of the Substance

TRA Quantifications

Enters the facility (Use), Creation, Contained in Product for ON MOE TRA

Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) **

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Creation

The amount of substance that is created

Quantity (Tonnes) **

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Contained in Product

The amount of substance contained in product

Quantity (Tonnes) **

14.302

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Yes

Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes **

Select the reason for change: **

Describe how the change impact tracking and quantification of the substance **

Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected **

Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

On-site Releases

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons *

Not applicable (first year reporting this substance)

Comments ? (On-Site Releases) **

Disposals

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

Not applicable (first year reporting this substance)

Comments? (Disposals)

Recycling

Reasons Why Substance Was Recycled

Select one or more reasons. *

Unusable parts or discards, Machine or finishing residues

Off-site Transfers for Recycling

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

Off-site Transfers

Category	Basis Of Estimate	Quantity (Tonnes)
Energy Recovery	NA - Not Applicable	
Recovery of Solvents	NA - Not Applicable	
Recovery of Organic Substances (not solvents)	NA - Not Applicable	
Recovery of Metals and Metal Compounds	C - Mass Balance	2.779
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	NA - Not Applicable	
Recovery of Catalysts	NA - Not Applicable	
Recovery of Pollution Abatement Residues	NA - Not Applicable	

Refining of Re-use of Used Oil

NA - Not Applicable

Other

NA - Not Applicable

Total Quantity Recycled

2.779

Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

Basis of Estimate for Off-sites

Enter breakdown values for

Recovery of Metals and Metal Compounds

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

2.779

Off-site

Off-Site Name

Quantity (Tonnes)

Address

Magnesium Products of America (MPA)

2.779

2001 Industrial Drive
, Eaton Rapids, Michigan, USA

Total Assigned (must equal total reported)

2.779

Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons *

Not applicable (first year reporting this substance)

Comments? (Recycling)

Post Plan Substance Details

NA - M10, PM2.5 - Particulate Matter <= 2.5 Microns

NA - M10, PM2.5 - Particulate Matter <= 2.5 Microns

Objectives, Description and Targets

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

Objectives

Objectives in plan: *

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 creation of PM2.5 at this facility.

Use Targets

What is the targeted reduction in use of the toxic substance at the facility? *

No quantity target	Quantity	Unit
<input checked="" type="checkbox"/>	or	
	<input type="text"/>	<input type="text"/>

What is the targeted timeframe for this reduction? *

No timeline target	years
<input checked="" type="checkbox"/>	or
	<input type="text"/>

Description of Target

Creation Targets

What is the targeted reduction in creation of the toxic substance at the facility? *

No quantity target	Quantity	Unit

or

What is the targeted timeframe for this reduction? *

No timeline target **years**

or

Description of targets

Actions

Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? *

No

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: **

Reductions due to additional actions taken **

The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount tonnes

The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount tonnes

The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.

No Amount tonnes

The amount of reduction in **release to air** of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in **release to water** of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.

No Amount

tonnes

The amount of reduction in the substance **disposed on-site** (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in the substance **disposed off-site** (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

Amendments

Amendments

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 **