

Plan Summary Preview

Company Details

Company Legal Name

Marswell Metal Industries Ltd.

Company Address

4140 Morris Drive, Burlington (Ontario)

Report Details

NPRI ID

4834

Facility Name

Mars Metal Company

Facility Address

4130 MORRIS Drive Drive, Burlington (Ontario)

Update Comments

Activities

Contacts

Select the Facility Contacts

Facility Contacts

Please assign the appropriate contact under each category below.

Public Contact: *

Kevin Milne

Highest Ranking Employee

Kevin Milne

Person responsible for Toxic Substance Reduction Plan preparation

Mark Wiedener

Organization Validation

Company and Parent Company Information

Company Details

Company Legal Name: *

Company Trade Name: *

Business Number: *

Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

Physical Address

Address Line 1

City

Province/Territory **

Postal Code **

Additional Information

Land Survey Description

National Topographical Description

Parent Companies

Empty

Facility Validation

The information in this section was copied from the Single Window Information Manager (SWIM) at the time the plan summary was created. Please verify the information and update it where required. Please note that any changes made here will only be reflected in this plan summary. To ensure updates reflected in future reports, please ensure the information is updated in SWIM. After making updates in SWIM, return here and click the "Refresh" button to trigger a reload of the SWIM information. Please note all previously entered data will be modified.

Facility Information

Facility Name: *	<input type="text" value="Mars Metal Company"/>
NAICS Code: *	<input type="text" value="331529"/>
NPRI Id: *	<input type="text" value="0000004834"/>
ON Reg 127/01 Id	<input type="text"/>

Facility Mailing Address

Delivery Mode	<input type="text"/>
PO Box	<input type="text"/>
Rural Route Number	<input type="text"/>
Address Line 1	<input type="text" value="4140 Morris Drive"/>
City *	<input type="text" value="Burlington"/>
Province/Territory **	<input type="text" value="Ontario"/>
Postal Code: **	<input type="text" value="L7L5L6"/>

Physical Address

Address Line 1	<input type="text" value="4130 MORRIS Drive Drive"/>
City	<input type="text" value="Burlington"/>
Province/Territory **	<input type="text" value="Ontario"/>
Postal Code **	<input type="text" value="L7L5L6"/>
Additional Information	<input type="text"/>

Land Survey Description

National Topographical Description

Geographical Address

Latitude **

Longitude **

UTM Zone **

UTM Easting **

UTM Northing **

Contact Validation

The information in this section was copied from the Single Window Information Manager (SWIM) at the time the plan summary was created. Please verify the information and update it where required. Please note that any changes made here will only be reflected in this plan summary. To ensure updates reflected in future reports, please ensure the information is updated in SWIM. After making updates in SWIM, return here and click the "Refresh" button to trigger a reload of the SWIM information. Please note all previously entered data will be modified.

Contacts

Public 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: **

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: **

Person responsible for the Toxic Substance Reduction Plan preparation

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: **

Employees

Employees

Number of Full-time Employees: *

Copy of Certifications of Plan

Copy of Certifications of Plan

Upload Document

A copy of the certification statement(s) from the Highest Ranking Employee and the Licensed Planner(s), for the Toxic Substance Reduction Plan for which the Plan Summary is being submitted are required. Please upload a single document containing all certifications.

Do not upload any certification statements that are dated after December 31. If this applies, click "?" (Help)

for more information.

Comments

As per Daniella Molnar - TSRP coordinator, no certifications were attached to this Plan. Instead, and in lieu of the certification statements, confirmation statements have been prepared, which state that both the Planner, as well as the HRE at the Facility have participated in the making of, and understand the contents of the Plan.

Website address where the Plan Summary is posted for the public

File Name	Date
Mars - Signed confirmation statements.docx	10/06/2013 1:58:01 PM

Plan Summary Submission

Electronic Submission

Company Name

Marswell Metal Industries Ltd.

Facility Name

Mars Metal Company

Report Submitted By (authorized delegate)

Carolyn Wagner

I, the authorized delegate, acknowledge that by pressing the "Continue" button, I am electronically submitting the facility TRA Plan Summary for the identified facility.

Substances

NA - 08, Lead (and its compounds)

NA - 08, Lead (and its compounds)

Substances Section Data

Statement of Intent

Are the following included in the Facility's TRA Plan?

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

A statement of the Facility's intent to reduce the use of the Toxic Substance has not been included as part of this Plan. The Toxic Substance is never created within the Facility's process and therefore no statement with respect to intent to reduce creation of the Toxic Substance is required.

The Toxic Substance has triggered reporting under the TRA and O.Reg 455/09 due to it being contained within the raw material that Mars Metal Company utilizes to create its finished product. There are 3 main "uses" of the Toxic Substance that take place within the facility; the first function, which can be defined as a "use", is the creation of the product by melting lead ingots, or large lead "pigs" in the melting furnaces. The second "use" of the Toxic Substance occurs when the melted lead is poured from one of the melting furnaces into a prefabricated mold where it is left to cool, and harden. As the lead hardens, it shrinks within the mold, leading to more small amounts of lead being added to the top of the mold. The final "use" of the raw material is in addition to the casting process; after the lead has hardened and has been removed from the mold, Mars Metals performs surface finishing on their products. Freshly cast products are subjected to surface grinding to remove any "burs", or inconsistencies, after which they may be coated with an epoxy resin and painted, although this can vary depending on the desire of the customer. As it is the raw material, the purchase of the product that is used within the Facility which contains the Toxic substance is a significant capital expenditure and therefore optimizing the use of the product which contains the Toxic substance is in the Facility's best interest as it is directly related to cost control. Throughout the course of achieving the current level of process and practice optimization with respect to the Toxic Substance and considering the above aspects which influence the Facility's use of the toxic substance, the Facility has considered many options to reduce its use of the Toxic Substance and has already completed internal assessments of some initiatives which could constitute toxic substance reduction options that could otherwise be identified for the purposes of this Plan. Some of these initiatives are mentioned within this Plan, however, they have not been provided as toxic substance reduction options for the purposes of this Plan since they have previously been deemed not to be feasible or implemented. The sources of emissions include the three lead casting furnaces, the surface finishing area, and comfort heating.

Given the above information, the Toxic Substance flows through the Facility process without undergoing any chemical change and, due to its presence within the raw material, this Facility activity which the TRA has defined as a "use" of the Toxic Substance can only be reduced by reducing the Facility's overall level of production. However, Mars Metals is acutely aware of the dangers that the Toxic Substance presents to the natural environment, and will continue to evaluate all opportunities to minimize the potential release of the Toxic Substance to outside sources. Mars Metals is currently working with the Ministry of the Environment to update its Certificate of Approval to ensure that they are operating in a transparent fashion.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

The Toxic Substance is never created within the Facility's process and therefore no statement with respect to intent to reduce creation of the Toxic Substance is required.

Objectives, Targets and Description

Objectives

Objectives in plan: *

The objectives of this Plan are as follows:

- Provide support for the Facility's position with respect to the Statement of Intent of this Plan; and
- Document how, by preparing this Plan, the Facility has fulfilled the applicable requirements under the TRA and O.Reg. 455/09 with respect to the Toxic Substance.

Use Targets

What is the targeted reduction in use 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

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 Target

Reasons for Use

Why is the toxic substance used at the facility?: *

For sale/distribution

Summarize why the toxic substance is used at the facility: **

The facility uses the Toxic Substance within its products as it is the substance that is required by the industries it services. It is commonly accepted that lead boat keels are the industry standard when it comes to quality and performance. Also, lead is a necessary component within products designed for radiation shielding. At this time, there has been no other substances that have been found to be a suitable replacement, or substitute.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

The Toxic Substance is not created within the Facility

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.).

If you answered "Yes" please select the appropriate reason(s) in the picklist below for why no option was implemented for this substance at your facility. You may choose to provide an explanation in the text box that is beneath the picklist.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Identify at least one reason why no option to reduce the use or creation of this substance was implemented at your facility:

Select the applicable reason or reasons **

Explanation of the reasons why no option will be implemented

After careful review, it is the opinion of the members of the Facility, as well as the Planner, that no recommendations are necessary with respect to any of the categories listed within paragraphs 1-6 of s. 18.2(3) of O. Reg. 455/09 (as amended by s. 10 of O. Reg 214/11) for the Plan. The rationale being, after completing the TRA exercise for the Toxic Substance, the Facility is of the opinion that the Facility finds itself in a situation where options for reductions in its "use" of the Toxic Substance cannot be identified under the framework of the TRA. No obvious feasible toxic substance reduction options were revealed by undertaking the TRA exercise with respect to the Toxic Substance. With this information in mind, the Facility has not included within the Plan a statement of its intent to reduce its use of the Toxic Substance under the framework of the TRA. The Planner and the Facility feel that there is little value in providing Planner Recommendations on a Plan that the Planner feels is compliant, aside from the absent certification statements, and addresses all matters within the framework of the TRA and O. Reg 455/09 for a substance whose use the Facility does not intend to reduce.

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0255

Name of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (First Name Last Name)

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0255

Name of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (First Name Last Name)

What version of the plan is this summary based on?: *