



# National Pollutant Release Inventory (NPRI) and Partners



Canada

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SWIM » 2013 » Morbern Inc. » Morbern Inc. (Update 1) » Report Preview

\* indicates a required field, \*\* indicates a conditionally required field

## Plan Summary Preview

### Company Details

Company Legal Name

Morbern Inc.

Company Address

80 Boundary Road South, Cornwall (Ontario)

### Report Details

NPRI ID

741

Facility Name

Morbern Inc.

Facility Address

80 Boundary Road South, Cornwall (Ontario)

Update Comments

Removing hydrotreated light distillate, updating plan for remaining contaminants.

### Activities

#### Contacts

Select the Facility Contacts

#### Facility Contacts

Please assign the appropriate contact under each category below.

Public Contact: \*

Jamey Loucks

Highest Ranking Employee

Eric Lamontagne

Person responsible for Toxic Substance Reduction Plan preparation

Colin Welburn

### Organization Validation

#### Company and Parent Company Information

##### Company Details

Company Legal Name: \*

Morbern Inc.

Company Trade Name: \*

Morbern Inc

Business Number: \*

103760948

##### Mailing Address

Delivery Mode

Post Office Box

PO Box

1207

Rural Route Number

Address Line 1

80 Boundary Road South

City \*

Cornwall

Province/Territory \*\*

Ontario

Postal Code: \*\*

K6H 5V3

Physical Address

Address Line 1

80 Boundary Road South

City

Cornwall

Province/Territory \*\*

Ontario

Postal Code \*\*

K6H 6M1

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: \*

Morbern Inc.

NAICS Code: \*

313320

NPRI Id: \*

741

ON Reg 127/01 Id

6243

Facility Mailing Address

Delivery Mode

General Delivery

PO Box

Rural Route Number

Address Line 1

80 boundary Road South

City \*

cornwall

Province/Territory \*\*

Ontario

Postal Code: \*\*

k6h5v3

Physical Address

Address Line 1

80 Boundary Road South

City

Cornwall

Province/Territory \*\*

Ontario

Postal Code \*\*

K6H5v3

Additional Information

Land Survey Description

NPRI Facility Location

Latitude (decimal degrees) *	45.03300
Longitude (decimal degrees) *	-74.66840
UTM Zone	18
UTM Easting	526120
UTM Northing	498669

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: *	Jamey
Last Name: *	Loucks
Position: *	Environmental Health and Safety Manager
Telephone: *	6139372478
Ext	
Fax	
Email: *	jloucks@morbern.com

Mailing Address

Delivery Mode	Post Office Box
PO Box	1207
Rural Route Number	
Address Line 1	
City *	Cornwall
Province/Territory **	Ontario
Postal Code: **	K6H 5V3

Highest Ranking Employee

First Name: *	Eric
Last Name: *	Lamontagne
Position: *	President
Telephone: *	6139372474
Ext	
Fax	
Email: *	eric@morbern.com

Mailing Address

Delivery Mode	Post Office Box
---------------	-----------------

PO Box

1207

Rural Route Number

Address Line 1

80 Boundary Road South

City \*

Cornwall

Province/Territory \*\*

Ontario

Postal Code: \*\*

K6H 5V3

### Person responsible for the Toxic Substance Reduction Plan preparation

First Name: \*

Colin

Last Name: \*

Welburn

Position: \*

Partner

Telephone: \*

6138526003

Ext

Fax

Email: \*

colin@welburnconsulting.ca

### Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

143 Sunnyside Avenue

City \*

Ottawa

Province/Territory \*\*

Ontario

Postal Code: \*\*

K1S 0R2

## Employees

### Employees

Number of Full-time Employees: \*

300

## 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

Due to a re-organization of staff responsibilities, this updated plan has been prepared after the regulatory deadline of December 31, 2014.

Website address where the Plan Summary is posted for the public

<https://morbern.com/about/sustainability/>

File Name \*

2013 TSRP Confirmations.pdf

Date \*

11/11/2018 9:34:53 PM

## Plan Summary Submission

Electronic Submission

Company Name

Morbern Inc.

Facility Name

Morbern Inc.

Report Submitted By (authorized delegate)

Colin Welburn

☒ 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

112-07-2, Ethylene glycol butyl ether acetate

112-07-2, Ethylene glycol butyl ether acetate

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?: \*

Yes

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: \*\*

In accordance with s. 4(1)1 of the Toxics Reduction Act and Morbern Inc.'s commitment to pollution prevention, Morbern intends to reduce or minimize the use, creation and releases of the listed substance wherever technically and economically viable.

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

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?: \*

No

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: \*\*

do not create this product

Objectives, Targets and Description

Objectives

Objectives in plan: \*

Morbern has not set an objective or target for reducing the use of 2-butoxyethyl acetate. The process that uses this substance is very specialized and serves a niche market.

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			

What is the targeted timeframe for this reduction? \*

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

What is the targeted timeframe for this reduction? \*

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

Description of Target

## Reasons for Use

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

For on-site use/processing

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

The substance is a component of inks used in digital printing.

## 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: \*\*

## 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 \*\*

Implementing options would not result in a substantial-enough reduction to justify associated costs and would result in little to no return on investment, There are no alternative processes and/or equipment identified

Explanation of the reasons why no option will be implemented

The process that uses this substance is very specialized and serves a niche market.

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): \*

TSRP0049

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

Colin Welburn

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

TSRP0049

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

Colin Welburn

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

Amended Plan

## 872-50-4, N-Methyl-2-pyrrolidone

872-50-4, N-Methyl-2-pyrrolidone

### 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?: \*

Yes

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: \*\*

In accordance with s. 4(1)1 of the Toxics Reduction Act and Morbern Inc.'s commitment to pollution prevention, Morbern intends to reduce or minimize the use, creation and releases of the listed substance wherever technically and economically viable.

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

#### 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?: \*

No

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: \*\*

This substance is not created at the facility.

### Objectives, Targets and Description

#### Objectives

Objectives in plan: \*

While Morbern Inc. is implementing options for reducing the use of NMP, it does not have a target for reducing the use of this substance, since it is a component of water-based inks. Morbern is increasing the use of water-based inks to reduce the use and creation of other, more toxic substances at the 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		

What is the targeted timeframe for this reduction? \*

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

What is the targeted timeframe for this reduction? \*

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

Description of Target

## Reasons for Use

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

For on-site use/processing

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

This substance is a major component of the water-based Clear Coat, which is used as a base carrier for the water-based Top Coat in the printers. It is also a common component of many of the water-based inks added to the top coat.

## 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: \*\*

## 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?: \*

No, we are 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



Substituted materials

Which activities will be undertaken to implement these reduction options?

Which activities will be undertaken to implement these reduction options?: \*

Substituted materials

Describe the option: \*

Substitution of water-based ink solvents with alternatives.

Estimates

N/A	tonnes	%
Estimate of the amount by which the <b>use</b> of the toxic substance at the facility will be reduced as a result of implementing the option:		
<input checked="" type="checkbox"/>		
Estimate of the amount by which the <b>creation</b> of the toxic substance at the facility will be reduced as a result of implementing the option:		
<input type="checkbox"/>	0	0
Estimate of the amount by which the toxic substance <b>contained in the product</b> leaving the facility will be reduced as a result of implementing the option:		
<input checked="" type="checkbox"/>		
Estimate of the amount by which the total <b>releases to air</b> of the toxic substance at the facility will be reduced as a result of implementing the option:		
<input checked="" type="checkbox"/>		
Estimate of the amount by which the total <b>releases to water</b> of the toxic substance at the facility will be reduced as a result of implementing the option:		
<input checked="" type="checkbox"/>		
Estimate of the amount by which the total <b>releases to land</b> of the toxic substance at the facility will be reduced as a result of implementing the option:		
<input checked="" type="checkbox"/>		
Estimate of the amount by which the <b>disposals on-site</b> (including tailing and waste rock) of the toxic substance at the facility will be reduced as a result on implementing this option:		
<input checked="" type="checkbox"/>		
Estimate of the amount by which the <b>disposals off-site</b> of the toxic substance at the facility will be reduced as a result on implementing this option:		
<input checked="" type="checkbox"/>		
Estimate of the amount by which total <b>recycling off-site</b> of the toxic substance at the facility will be reduced as a result on implementing this option:		
<input checked="" type="checkbox"/>		

Timelines

N/A	years
Anticipated timelines for achieving the estimated reduction of the <b>use</b> of the toxic substance:	
<input checked="" type="checkbox"/>	
Anticipated timelines for achieving the estimated reduction of the <b>creation</b> of the toxic substance:	
<input type="checkbox"/>	5

Product design or reformulation

Empty

Equipment or process modifications

Improved application techniques

Which activities will be undertaken to implement these reduction options?

Which activities will be undertaken to implement these reduction options?: \*

Improved application techniques

Describe the option: \*

Build a new coater line with improved emissions controls.

Estimates

N/A	tonnes	%
Estimate of the amount by which the <b>use</b> of the toxic substance at the facility will be reduced as a result of implementing the option:		
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>
Estimate of the amount by which the <b>creation</b> of the toxic substance at the facility will be reduced as a result of implementing the option:		
<input type="checkbox"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Estimate of the amount by which the toxic substance <b>contained in the product</b> leaving the facility will be reduced as a result of implementing the option:		
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>
Estimate of the amount by which the total <b>releases to air</b> of the toxic substance at the facility will be reduced as a result of implementing the option:		
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>
Estimate of the amount by which the total <b>releases to water</b> of the toxic substance at the facility will be reduced as a result of implementing the option:		
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>
Estimate of the amount by which the total <b>releases to land</b> of the toxic substance at the facility will be reduced as a result of implementing the option:		
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>
Estimate of the amount by which the <b>disposals on-site</b> (including tailing and waste rock) of the toxic substance at the facility will be reduced as a result on implementing this option:		
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>
Estimate of the amount by which the <b>disposals off-site</b> of the toxic substance at the facility will be reduced as a result on implementing this option:		
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>
Estimate of the amount by which total <b>recycling off-site</b> of the toxic substance at the facility will be reduced as a result on implementing this option:		
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>

#### Timelines

N/A	years
Anticipated timelines for achieving the estimated reduction of the <b>use</b> of the toxic substance:	
<input checked="" type="checkbox"/>	<input type="text"/>
Anticipated timelines for achieving the estimated reduction of the <b>creation</b> of the toxic substance:	
<input type="checkbox"/>	<input type="text" value="5"/>

#### Spill or leak prevention

Empty

#### On-site reuse, recycling or recovery

Empty

#### Improved inventory management or purchasing techniques

Empty

#### Good operator practice or training

#### Other

Which activities will be undertaken to implement these reduction options?

Which activities will be undertaken to implement these reduction options?: \*

Other

Describe the option: \*

Lean manufacturing program.

#### Estimates

N/A	tonnes	%
Estimate of the amount by which the <b>use</b> of the toxic substance at the facility will be reduced as a result of implementing the option:		
<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>

Estimate of the amount by which the **creation** of the toxic substance at the facility will be reduced as a result of implementing the option:



0

0

Estimate of the amount by which the toxic substance **contained in the product** leaving the facility will be reduced as a result of implementing the option:



Estimate of the amount by which the total **releases to air** of the toxic substance at the facility will be reduced as a result of implementing the option:



Estimate of the amount by which the total **releases to water** of the toxic substance at the facility will be reduced as a result of implementing the option:



Estimate of the amount by which the total **releases to land** of the toxic substance at the facility will be reduced as a result of implementing the option:



Estimate of the amount by which the **disposals on-site** (including tailing and waste rock) of the toxic substance at the facility will be reduced as a result on implementing this option:



Estimate of the amount by which the **disposals off-site** of the toxic substance at the facility will be reduced as a result on implementing this option:



Estimate of the amount by which total **recycling off-site** of the toxic substance at the facility will be reduced as a result on implementing this option:



## Timelines

N/A

years

Anticipated timelines for achieving the estimated reduction of the **use** of the toxic substance:



Anticipated timelines for achieving the estimated reduction of the **creation** of the toxic substance:



5

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

Rationale for why the listed options were chosen for implementation

The listed options were selected based on a technical and economic feasibility assessment.

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): \*

TSRP0049

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

Colin Welburn

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

TSRP0049

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

Colin Welburn

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

Amended Plan



### Confirmation by Highest Ranking Employee

As of October 21, 2018, I, Eric Lamontagne, 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. Due to a re-organization of staff responsibilities, this updated plan has been prepared after the regulatory deadline of December 131, 2014.

I confirm that, with the exception of the regulatory deadline, the plan meets all other requirements of the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Substance	Date of Plan
N-Methyl-2-Pyrrolidone (CAS 872-50-4)	21 October 2018
2-Butoxyethyl Acetate (CAS 112-07-2)	21 October 2018



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Eric Lamontagne

President Morbern, Inc.

### Confirmation by Licensed Planner

As of 19 October, 2018, I, Colin Welburn, certify that I am familiar with the processes at Morbern 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 toxic substance reduction plans referred to below for the toxic substances and that (with the exception of paragraph 1 of subsection 11.1 - Timing) the plans comply with the Act and the Ontario Regulation 455/09 (General) made under that Act, of Ontario.

<u>Substance</u>	<u>Date of Plan</u>
N-Methyl-2-Pyrrolidone (CAS 872-50-4)	19 October 2018
2-Butoxyethyl Acetate (CAS 112-07-2)	19 October 2018



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Colin Welburn, Planner License #TSRP0049)  
Partner, Welburn Consulting