

# National Pollutant Release Inventory (NPRI) and



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## Report Preview

### Report Details

Report Year	2015
Report Type:	NPRI,ON MOE TRA
Report Status:	Submitted
Modified Date/Time:	25/05/2016 4:14 PM

### Company and Facility Details

Company Name:	Blastech - A Div. of TF Warren Group
Business Number:	898216239
Mailing Address:	Address Line 1: 57 Old Onondaga Road West City, Province/Territory, Postal Code: Brantford Ontario N3T5M1 Country: Canada
Facility Name:	57 Old Onondaga Rd. W., Brantford
NAICS Code:	332810
NPRI ID:	11219
ON Reg 127/01 ID:	10401
Physical Address:	Address Line 1: 57 Onondaga Road City, Province/Territory, Postal Code: Brantford Ontario N3T5W4 Country: Canada Latitude: 43.14340 Longitude: -80.19450 UTM Zone: 17 UTM Easting: 565502 UTM Northing: 4777054

### Parent Companies

Company Name:	T.F. Warren Group Inc.
Business Number:	86644107
Mailing Address:	Address Line 1: 57 Old Onondaga Road West City, Province/Territory, Postal Code: Brantford Ontario N3T5M1 Country: Canada

### Contacts Details

Contact Type	Technical Contact, Person who prepared the report, Contractor Contact
Name:	Andrew Beck
Position:	Project Technologist
Telephone:	9056354063
Email:	abeck@rb-enviro.com

Independent contractor/consultant company name:	Rubidium Environmental
Mailing Address:	Address Line 1: 208 - 3228 Service Rd South City, Province/Territory, Postal Code: Burlington Ontario L7N 3H8 Country: Canada
Contact Type	Certifying Official, Highest Ranking Employee
Name:	Tim Bowman
Position:	General Manager
Telephone:	5197543724
Email:	Tim.Bowman@tfwarren.com
Mailing Address:	Address Line 1: 57 Old Onondaga Road West City, Province/Territory, Postal Code: Brantford Ontario N3T 5M1 Country: Canada

## General Information

Number of employees:	55
Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:	None of the above
Activities Relevant to Reporting Dioxins, Furans and Hexachlorobenzene:	None of the above
Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs):	Wood preservation using creosote: No
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:	Yes
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
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
Usual Number of Operating Hours per day:	16
Usual Daily Start Time (24h) (hh:mm):	07:00

## Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
80-05-7	Bisphenol A	N/A	N/A	N/A	N/A	kg
NA - M09	PM10 - Particulate Matter <= 10 Microns	0.0100	N/A	N/A	N/A	tonnes
NA - M16	Volatile Organic Compounds (VOCs)	16.7500	2.4960	N/A	N/A	tonnes
NA - 14	Zinc (and its compounds)	N/A	N/A	N/A	N/A	tonnes

## Applicable Programs

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
80-05-7	Bisphenol A	No	No		No
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	No		No
NA - M16	Volatile Organic Compounds (VOCs)	Yes	Yes		No
NA - 14	Zinc (and its compounds)	Yes	Yes		Yes

## TRA Exit Record

CAS RN	Substance Name	Circumstance(s) that apply	Describe the circumstances that lead to the criteria no longer being met	Describe the information and any quantifications relied upon for making the determination
		The substance did not meet the	The facility did not use an epoxy resin that	The information provided from company MSDS

CAS RN	Substance Name	Circumstance(s) that apply	Describe the circumstances that lead to the criteria no longer being met	Describe the information and any quantifications relied upon for making the determination
80-05-7	Bisphenol A	criteria to provide information to NPRI	contained Bisphenol-A for the 2015 reporting year	sheets of the epoxy resins did not contain Bisphenol-A
NA - M09	PM10 - Particulate Matter <= 10 Microns	The substance did not meet the criteria to provide information to NPRI	Higher quality emission factor used for the calculation of particulate matter exhaust through a bag house	Used the MOE emission factor of 20 mg/m <sup>3</sup> for the calculation of particulate matter exhaust through a bag house

### General Information about the Substance - Releases and Transfers of the Substance

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
80-05-7	Bisphenol A	No	No	No
NA - M16	Volatile Organic Compounds (VOCs)		No	Yes
NA - 14	Zinc (and its compounds)	No	No	No

### General Information about the Substance - Disposals and Off-site Transfers for Recycling

CAS RN	Substance Name	Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal	Is the facility required to report on disposals of tailings and waste rock for the selected reporting period	Was the substance transferred off-site for recycling
80-05-7	Bisphenol A	No	No	No
NA - M16	Volatile Organic Compounds (VOCs)			
NA - 14	Zinc (and its compounds)	No	No	No

### General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
80-05-7	Bisphenol A		As a formulation component	
NA - M16	Volatile Organic Compounds (VOCs)			
NA - 14	Zinc (and its compounds)		As a formulation component	

### Substances added to/removed from the report

CAS RN	Substance Name	Added/Removed	Comment
NA - 14	Zinc (and its compounds)	Added	Various zinc based paints were used in process in 2015 based off of a mass balance estimation. Increased data quality in product information and usage were obtained in the 2015 reporting year.

### TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained	Quantity	Use ranges for public reporting
NA - M16	Volatile Organic Compounds (VOCs)	Use	16.75 tonnes	Yes
NA - M16	Volatile Organic Compounds (VOCs)	Creation	0.003 tonnes	Yes
NA - M16	Volatile Organic Compounds (VOCs)	Contained		
NA - 14	Zinc (and its compounds)	Use	17.70 tonnes	Yes
NA - 14	Zinc (and its compounds)	Creation	0 tonnes	No
NA - 14	Zinc (and its compounds)	Contained	17.70 tonnes	Yes

### TRA Quantifications - VOC Breakdown List

CAS RN	Substance Name	Use, Creation, Contained	Quantity
95-63-6	1,2,4-Trimethylbenzene	Use	1.258 tonnes
95-63-6	1,2,4-Trimethylbenzene	Creation	0 tonnes
78-93-3	Methyl ethyl ketone	Use	1.238 tonnes

### TRA Quantifications - Total Speciated VOCs

Use, Creation, Contained	Quantity
Use	2.496 tonnes
Creation	0 tonnes

### TRA Quantifications - Others

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Incidents out of the normal course of events	Significant Process Change
	Volatile Organic					

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Incidents out of the normal course of events	Significant Process Change
NA - M16	Compounds (VOCs)					No
NA - 14	Zinc (and its compounds)					No

### On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - M09	PM10 - Particulate Matter <= 10 Microns	Stack or Point Releases	E2 - Published Emission Factors		0.01 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Stack or Point Releases	C - Mass Balance		16.75 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Other Sources - Speciated VOCs	NA - Not Applicable		16.75 tonnes

### On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - M09	PM10 - Particulate Matter <= 10 Microns	0.01 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	16.75 tonnes

### On-site Releases - Releases to air - VOC Breakdown List

Category	CAS RN	Substance Name	Quantity
Other Sources - Speciated VOCs	95-63-6	1,2,4-Trimethylbenzene	1.258 tonnes
Other Sources - Speciated VOCs	78-93-3	Methyl ethyl ketone	1.238 tonnes

### On-site Releases - Total

### On-site Releases - Monthly Breakdown of Annual Releases

CAS RN	Substance Name	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
NA - M09	PM10 - Particulate Matter <= 10 Microns	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34
NA - M16	Volatile Organic Compounds (VOCs)	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34

### On-site Releases - Reasons for Changes in Quantities Released from Previous Year

CAS RN	Substance Name	Reasons for Changes in Quantities Disposed from Previous Year	Comments (Disposals)
80-05-7	Bisphenol A	No significant change (i.e. < 10%) or no change	
NA - 14	Zinc (and its compounds)	Not applicable (first year reporting this substance)	
NA - M09	PM10 - Particulate Matter <= 10 Microns	Changes in production levels Other (specify in On-site Releases comment field)	Change in the calculation of particulate matter through a bag house using MOE emission factor instead of assuming a control efficiency
NA - M16	Volatile Organic Compounds (VOCs)	Changes in production levels Other (specify in On-site Releases comment field)	Higher data quality provided by the company

### Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities Disposed from Previous Year	Comments (Disposals)
80-05-7	Bisphenol A		No significant change (i.e. < 10%) or no change	
NA - 14	Zinc (and its compounds)		Not applicable (first year reporting this substance)	

### Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
80-05-7	Bisphenol A		No significant change (i.e. < 10%) or no change	
NA - 14	Zinc (and its compounds)		Not applicable (first year reporting this substance)	

### Comparison Report - Enters, Creation, Contained in Product

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
78-93-3	Methyl ethyl ketone	Yes	Enters the facility (Use)	1.238 tonnes	16.302 tonnes	2014	-15.064	-92.41

### Comparison Report - Enters, Creation, Contained in Product : Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - M16	Volatile Organic Compounds (VOCs)	Other	Uses of different raw materials in 2015 resulted in different usages of substances

### Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
78-93-3	Methyl ethyl ketone	Yes	Total Releases to Air	1.238 tonnes	2.93 tonnes	2014	-1.692	-57.75

### Comparison Report - On-site Releases - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - M16	Volatile Organic Compounds (VOCs)	Other	Uses of different raw materials in 2015 resulted in different releases of substances

### Pollution Prevention

Does the facility have a documented pollution prevention plan?

No

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

No

### Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
95-63-6	1,2,4-Trimethylbenzene	No objectives
78-93-3	Methyl ethyl ketone	Blastech will address methods that can result in the reduced use and releases of the target substances by up to 5% over the next 2 to 5 years.

### Progress on TRA Plan - Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
95-63-6	1,2,4-Trimethylbenzene	No quantity target	No timeline target	
78-93-3	Methyl ethyl ketone	0.02 tonnes	5	

### Progress on TRA Plan - Description

CAS RN	Substance Name	Quantity	Years	Description of Target
95-63-6	1,2,4-Trimethylbenzene	No quantity target	No timeline target	
78-93-3	Methyl ethyl ketone	No quantity target	No timeline target	

### Progress on TRA Plan - Toxic Reduction Options Implemented

CAS RN	Substance Name	Activity	Steps that were taken in the reporting period to implement the toxic reduction option	Public summary of the description of the steps	Comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period	Public summary of the comparison of the steps
78-93-3	Methyl ethyl ketone	Training related to toxics substance reduction	No further steps have been taken at this time	No further steps have been taken at this time	No further steps have been taken at this time	No further steps have been taken at this time

### Progress on TRA Plan - Reductions due to Options Implemented - Good operator practice or training

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
78-93-3	Methyl ethyl ketone	Training related to toxics substance reduction	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
78-93-3	Methyl ethyl ketone	Training related to toxics substance reduction	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
78-93-3	Methyl ethyl ketone	Training related to toxics substance reduction	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the steps described:	No Amount

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
78-93-3	Methyl ethyl ketone	Training related to toxics substance reduction	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
78-93-3	Methyl ethyl ketone	Training related to toxics substance reduction	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
78-93-3	Methyl ethyl ketone	Training related to toxics substance reduction	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to steps described:	No Amount
78-93-3	Methyl ethyl ketone	Training related to toxics substance reduction	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
78-93-3	Methyl ethyl ketone	Training related to toxics substance reduction	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
78-93-3	Methyl ethyl ketone	Training related to toxics substance reduction	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the steps described:	No Amount

### Progress on TRA Plan - Additional Actions

CAS RN	Substance Name	Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	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
95-63-6	1,2,4-Trimethylbenzene	No		
78-93-3	Methyl ethyl ketone	No		

### Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
95-63-6	1,2,4-Trimethylbenzene	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
95-63-6	1,2,4-Trimethylbenzene	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
95-63-6	1,2,4-Trimethylbenzene	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.	
95-63-6	1,2,4-Trimethylbenzene	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
95-63-6	1,2,4-Trimethylbenzene	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
95-63-6	1,2,4-Trimethylbenzene	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	
95-63-6	1,2,4-Trimethylbenzene	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
95-63-6	1,2,4-Trimethylbenzene	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
95-63-6	1,2,4-Trimethylbenzene	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.	

### Progress on TRA Plan - Amendments

CAS RN	Substance Name	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

CAS RN	Substance Name	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
95-63-6	1,2,4-Trimethylbenzene	No		
78-93-3	Methyl ethyl ketone	No		

## Report Submission and Electronic Certification

### NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

Blastech - A Div. of TF Warren Group

Certifying Official (or authorized delegate)

Tim Bowman

Report Submitted by

Kyle Ehni

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

### ON MOE TRA - Electronic Certification Statement

#### Annual Report Certification Statement

As of 25/05/2016, I, Tim Bowman, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

#### TRA Substance List

CAS RN

Substance Name

NA - M16

Volatile Organic Compounds (VOCs)

NA - 14

Zinc (and its compounds)

#### Exit Record Certification Statement

As of 25/05/2016, I Tim Bowman, certify that I have read the records created for the purposes of section 11.2 of Ontario Regulation 455/09 (General) made under the Toxics Reductions Act, (2009) in respect of the use and creation of the toxic substances referred to below at 57 Old Onondaga Rd. W., Brantford and am familiar with their contents and to my knowledge they are factually accurate.

#### TRA Exit Record Substances

CAS RN

Substance Name

NA - M09

PM10 - Particulate Matter <= 10 Microns

80-05-7

Bisphenol A

Company Name

Blastech - A Div. of TF Warren Group

Highest Ranking Employee

Tim Bowman

Report Submitted by

Kyle Ehni

Website address

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

# Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2015	25/05/2016	57 Old Onondaga Rd. W., Brantford	Ontario	Brantford	NPRI,ON MOE TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.

Version: 3.10.0



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