

# National Pollutant Release Inventory (NPRI) and



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## Report Preview

### Report Details

Report Year	2013
Report Type:	NPRI,ON MOE TRA
Report Status:	Submitted
Modified Date/Time:	30/05/2014 3:09 PM

### Company and Facility Details

Company Name:	Toyota Boshoku Canada Inc.
Mailing Address:	Address Line 1: 230 Universal Road City, Province/Territory, Postal Code: Woodstock Ontario N4S 7W3 Country: Canada
Facility Name:	TB - Elmira
NAICS Code:	332999
NPRI ID:	11074
Physical Address:	Address Line 1: 45 Southfield Drive Drive City, Province/Territory, Postal Code: Elmira Ontario N3B3L6 Country: Canada Latitude: 43.36600 Longitude: -80.17450 UTM Zone: 17 UTM Easting: 566884 UTM Northing: 4801790

### Contacts Details

Contact Type	Technical Contact
Name:	Jason Psutka
Position:	Plant Engineering and Environmental Officer
Email:	jason.psutka@tbamerica.com
Contact Type	Certifying Official
Name:	Jason Psutka
Position:	Plant Engineering and Environmental Officer
Contact Type	Highest Ranking Employee

Name: Max Willsie

Position: General Manager

Mailing Address: Delivery Mode: GeneralDelivery  
Address Line 1: 45 Southfield Drive  
City, Province/Territory, Postal Code: Elmira Ontario N3B 3L6  
Country: Canada

Contact Type: Person who prepared the report

Name: Lloyd Hipel

Position: Project Manager

## General Information

Number of employees: 350

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: 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

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: 19

Usual Daily Start Time (24h) (hh:mm): 07:00

## Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
78-93-3	Methyl ethyl ketone	0.9190	N/A	N/A	N/A	tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	0.2770	N/A	N/A	N/A	tonnes
NA - M16	Volatile Organic Compounds (VOCs)	8.3240	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
78-93-3	Methyl ethyl ketone	No	No		No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	No		No

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
NA - M16	Volatile Organic Compounds (VOCs)	No	No		No

### 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
78-93-3	Methyl ethyl ketone	Yes	No	No
NA - M16	Volatile Organic Compounds (VOCs)		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
78-93-3	Methyl ethyl ketone	No	No	No
NA - M16	Volatile Organic Compounds (VOCs)			

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

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
78-93-3	Methyl ethyl ketone		As a formulation component	As a physical or chemical processing aid
NA - M16	Volatile Organic Compounds (VOCs)			

### TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
78-93-3	Methyl ethyl ketone	Use	0.919 tonnes	Yes
78-93-3	Methyl ethyl ketone	Creation	0 tonnes	Yes
78-93-3	Methyl ethyl ketone	Contained in Product	0 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Use	0 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Creation	0.277 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Contained in Product		

### 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	Description of how an incident(s) affected quantifications	Significant Process Change
78-93-3	Methyl ethyl ketone					No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns					No

### On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
78-93-3	Methyl ethyl ketone	Stack or Point Releases	C - Mass Balance		0.919 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Stack or Point Releases	E2 - Published Emission Factors		0.277 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Stack or Point Releases	C - Mass Balance		8.324 tonnes

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

CAS RN	Substance Name	Total - Releases to Air
78-93-3	Methyl ethyl ketone	0.919 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	0.277 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	8.324 tonnes

### On-site Releases - Total

CAS RN	Substance Name	Total releases
78-93-3	Methyl ethyl ketone	0.919 tonnes

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

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
78-93-3	Methyl ethyl ketone				

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
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### 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 - M10	PM2.5 - Particulate Matter <= 2.5 Microns												
NA - M16	Volatile Organic Compounds (VOCs)												

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

CAS RN	Substance Name	Reasons for Changes in Quantities from Previous Year	Comments
78-93-3	Methyl ethyl ketone	Other (specify in On-site Releases comment field)	Line flushing frequency reduced.
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Changes in production levels	
NA - M16	Volatile Organic Compounds (VOCs)	Changes in production levels Other (specify in On-site Releases comment field)	Reduced requirements for line flushing.

### Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
78-93-3	Methyl ethyl ketone		Other (specify in On-site Releases comment field)	Not disposed.

### Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
78-93-3	Methyl ethyl ketone		Other (specify in recycling comments field)	Not recycled.

### 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	No	Enters the facility (Use)	0.919 tonnes	2.379 tonnes	2012	-1.460	-61.37
78-93-3	Methyl ethyl ketone	No	Creation	0 tonnes	0 tonnes	2012	0	
78-93-3	Methyl ethyl ketone	No	Contained in Product	0 tonnes	0 tonnes	2012	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Enters the facility (Use)	0 tonnes	0 tonnes	2012	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Creation	0.277 tonnes	0.370 tonnes	2012	-0.093	-25.14

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
78-93-3	Methyl ethyl ketone	Implementation of toxics reduction option(s) Implementation of actions outside of toxics reduction plan	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Decrease in production levels	

### 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	No	Total Releases to Air	0.919 tonnes	2.379 tonnes	2012	-1.460	-61.37
78-93-3	Methyl ethyl ketone	No	Total Releases to Water	0 tonnes	0 tonnes	2012	0	
78-93-3	Methyl ethyl ketone	No	Total Releases to Land	0 tonnes	0 tonnes	2012	0	
78-93-3	Methyl ethyl ketone	No	Total Releases to All Media	0 tonnes				
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Air	0.277 tonnes	0.370 tonnes	2012	-0.093	-25.14
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2012	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2012	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to All Media	0 tonnes				

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
78-93-3	Methyl ethyl ketone	Implementation of toxics reduction option(s) Implementation of actions outside of toxics reduction plan	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Decrease in production levels	

## Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
78-93-3	Methyl ethyl ketone	Toyota Boshoku Elmira intends to reduce the use of MEK through spill and leak prevention, on-site recycling, and improved inventory techniques.
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Toyota Boshoku Elmira intends to reduce the use of PM2.5 through product design, equipment modification, and training and improved operating practices.

## Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
78-93-3	Methyl ethyl ketone	No quantity target	No timeline target	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No quantity target	No timeline target	

## Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
78-93-3	Methyl ethyl ketone	No quantity target	No timeline target	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No quantity target	No timeline target	

## Progress on TRA Plan - Toxic Reduction Options Implemented

CAS RN	Substance Name	Activity	Public summary of the description of the steps	Public summary of the comparison of the steps
78-93-3	Methyl ethyl ketone	Other	A review of how we handle empty glue pails was undertaken and it was determined that this countermeasure is not necessary because common practice is to drain the near-empty container into the next full one.	A review of how we handle empty glue pails was undertaken and it was determined that this countermeasure is not necessary because common practice is to drain the near-empty container into the next full one.
78-93-3	Methyl ethyl ketone	Other	A lid was added to the clean-out collection bucket to reduce the evaporation rate of the cleaning chemical, thus ensure reduced emissions to air. The remaining solvent is recycled using onsite still	A lid was added to the clean-out collection bucket to reduce the evaporation rate of the cleaning chemical, thus ensure reduced emissions to air. The remaining solvent is recycled using onsite still
78-93-3	Methyl ethyl ketone	Other	A review of the operating procedure governing the using of cleaning chemicals is being completed with the goal of reducing the amount of cleaner required.	A review of the operating procedure governing the using of cleaning chemicals is being completed with the goal of reducing the amount of cleaner required.
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Modified equipment, layout or piping	A review of exhaust requirements has started. Benchmarking will occur and improvements made if possible.	A review of exhaust requirements has started. Benchmarking will occur and improvements made if possible.
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	A drawing review and comparison to actual condition yielded a reduction in weld length.	A drawing review and comparison to actual condition yielded a reduction in weld length.
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	Operating procedures will be reviewed to ensure exhaust is off when not required.	Operating procedures will be reviewed to ensure exhaust is off when not required.

Progress on TRA Plan - Reductions due to Options Implemented - Equipment or process modifications

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
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Progress on TRA Plan - Reductions due to Options Implemented - Improved inventory management or purchasing techniques

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
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Progress on TRA Plan - Reductions due to Options Implemented - On-site reuse, recycling or recovery

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
78-93-3	Methyl ethyl ketone	Other	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:	0.098 tonnes

Progress on TRA Plan - Reductions due to Options Implemented - Product design or reformulation

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	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:	0.05 tonnes

Progress on TRA Plan - Reductions due to Options Implemented - Spill or leak prevention

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
78-93-3	Methyl ethyl ketone	Other	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:	0.558 tonnes

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
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Progress on TRA Plan - Additional Actions

CAS RN	Substance Name	Provide a public summary of the description of the additional action taken
78-93-3	Methyl ethyl ketone	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	

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

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
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## Progress on TRA Plan - Amendments

CAS RN	Substance Name
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78-93-3	Methyl ethyl ketone
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns

**Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period**


## 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

Toyota Boshoku Canada Inc.

Certifying Official (or authorized delegate)

Jason Psutka

Report Submitted by

Jason Psutka



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 30/05/2014, I, Max Willsie, 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
78-93-3	Methyl ethyl ketone
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns
NA - M16	Volatile Organic Compounds (VOCs)

### Company Name

Toyota Boshoku Canada Inc.

### Highest Ranking Employee

Max Willsie

### Report Submitted by

Jason Psutka

### 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
2013	30/05/2014	TB - Elmira	Ontario	Elmira	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: 3.11.4



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