

Toxics Reduction Act Public Annual Report 2016

The legal and trade names of the owner and the operator of the facility, the street address of the facility and, if the mailing address of the facility is different from the street address, the mailing address.(See below)

Tembec Hearst Sawmill
67 Fontaine Drive
P.O. Box 880
Hearst ON
POL 1N0

Facility NPRI identification number

7232

The identification number assigned to the facility by the Ministry of the Environment for the purposes of Ontario Regulation 127/01.

-

Number of full-time employees

135

North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes

31-33 - Manufacturing
3211 - Sawmills & Wood Preservation
321111 - Sawmills

If applicable, the name, position and telephone number of the individual who is the contact at the facility for the public:
Public Contact (if applicable)

Linda Coates
VP – Communications & Corporate Affairs
(416) 775-2819

Title

Phone Number

Address of each person below if not the same as the facility

Facility Name

Address 1

Address 2

City

Province

Postal Code

Tembec Hearst Sawmill
67 Fontaine Drive
P.O. Box 880
Hearst
ON
POL 1N0

UTM coordinates, x and y

Datum

X	307951.4	Y	5507884.7
			WGS84

Legal name of Canadian parent company, if your facility is a subsidiary of a Canadian parent company

Parent company name

Address 1

Address 2

City

Province

Postal Code

Percent Ownership

Tembec
10, chemin Gatineau
Temiscaming
QC
J0Z 3R0
100%

Substance Accounting Information

Substance:
CAS Number:

alpha-Pinene
80-56-8

On a facility-wide basis:

Amount Units

Amount that entered the facility as the substance itself or as a constituent of another substance:

0.000	Mg
-------	----

The amount of substance that was created:

6.023	Mg
-------	----

The amount of substance that was contained in product:

0.000	Mg
-------	----

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:
CAS Number:

beta-Pinene
127-91-3

On a facility-wide basis:

Amount Units

Amount that entered the facility as the substance itself or as a constituent of another substance:

0.000	Mg
-------	----

The amount of substance that was created:

2.480	Mg
-------	----

The amount of substance that was contained in product:

0.000	Mg
-------	----

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:
CAS Number:

Methanol
67-56-1

On a facility-wide basis:

Amount Units

Amount that entered the facility as the substance itself or as a constituent of another substance:

0.000	Mg
-------	----

The amount of substance that was created:

4.387	Mg
-------	----

The amount of substance that was contained in product:

0.000	Mg
-------	----

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance Accounting Information

Substance:
CAS Number:

PM10
NA-M09

On a facility-wide basis:

Amount that entered the facility as the substance itself or as a constituent of another substance:

Amount Units

0.000	Mg
-------	----

The amount of substance that was created:

1.297	Mg
-------	----

The amount of substance that was contained in product:

NA	Mg
----	----

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Comparison of Annual Reported Amounts

Substance:
CAS Number:

alpha-Pinene
80-56-8

On a facility-wide basis:

Amount that entered the facility as the substance itself or as a constituent of another substance:

2016	2015	Difference	
Mg	Mg	Mg	%
0.000	0.000	0.000	0
6.023	5.277	0.746	14.1%
0.000	0.000	0.000	0

The amount of substance that was created:

The amount of substance that was contained in product:

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:
CAS Number:

beta-Pinene
127-91-3

On a facility-wide basis:

Amount that entered the facility as the substance itself or as a constituent of another substance:

2016	2015	Difference	
Mg	Mg	Mg	%
0.000	0.000	0.000	0
2.480	2.173	0.307	14.1%
0.000	0.000	0.000	0

The amount of substance that was created:

The amount of substance that was contained in product:

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Comparison of Annual Reported Amounts

Substance:	Methanol																				
CAS Number:	67-56-1																				
On a facility-wide basis:																					
Amount that entered the facility as the substance itself or as a constituent of another substance:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">2016</th> <th style="width: 25%;">2015</th> <th colspan="2" style="width: 50%;">Difference</th> </tr> <tr> <th style="text-align: center;">Mg</th> <th style="text-align: center;">Mg</th> <th style="text-align: center;">Mg</th> <th style="text-align: center;">%</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">4.387</td> <td style="text-align: center;">3.843</td> <td style="text-align: center;">0.544</td> <td style="text-align: center;">14.1%</td> </tr> <tr> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0</td> </tr> </tbody> </table>	2016	2015	Difference		Mg	Mg	Mg	%	0.000	0.000	0.000	0	4.387	3.843	0.544	14.1%	0.000	0.000	0.000	0
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Annual Progress Report

Substances for which toxic substance reduction plans have been prepared:

Substance	CASRN
alpha-Pinene	80-56-8
beta-Pinene	127-91-3
Methanol	67-56-1
Particulate Matter less than or equal to 10 microns (PM ₁₀)	NA-M09
Particulate Matter less than 2.5 microns (PM _{2.5})	NA-M10

Plan Objectives

Tembec's goal is to reduce the creation of alpha-Pinene, beta-Pinene, Methanol, PM₁₀, and PM_{2.5} where technically and economically feasible by the timetable noted in the plan. We will achieve these reductions through procedure improvements and employee education and training. It is important to note that methanol and its precursors are naturally in the wood materials used by the facility and that most current research seeks to abate methanol and VOC emissions using end of pipe controls. There are currently no reduction options that have been identified for PM10 and PM2.5 that are both technically and economically feasible for these substances.

Toxics Reduction Progress

The estimated quantity of alpha-Pinene, beta-Pinene, and Methanol created and released by the facility increased during the current reporting period which is reflective of an increase in the annual production of kiln dried lumber at the site relative to the previous reporting period. The annual kiln dried lumber quantity increased by approximately 14% in 2016 when compared to the 2015 value. Although a Toxic Substance Reduction Plan was created for PM10 there were no technically or economically feasible reduction options identified and therefore there are no reductions attributable to the implementation of a reduction option. Increases in the quantities of PM10 created and released are due to changes in the natural mitigation inputs used to determine emissions from unpaved roads. The number of precipitation and snow covered days decreased from 248 days in 2015 to 232 days for the current reporting period.

Plan Implementation Progress

Steps taken during the reporting period were those outlined in the plan for this substance and include operational improvements related to lumber drying specifically green lumber sorting and standard operating procedures for the kilns (ONT-SPF-446-04-v2 – Acrolein) which were completed previously. There were no deviations from or amendments made to the plan in the reporting period. The timetable outlined in the plan will be met. Based on the above noted steps being implemented, there were no estimated reductions in the quantities of the applicable substances created and released over the 2015 quantity that were attributable to the plan. The estimated reductions of these substances will be continued to be monitored over the following years to ensure the overall targets are met.

As of May 29, 2017, I certify that I have read the reports on the toxic substance reduction plans for the above noted substances and am familiar with their contents and to my knowledge the information contained in the reports are factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under the Act.

The original version of this report is signed off by: Highest Ranking Employee:

Title:

Phone Number:

Gilles Fontaine
General Manager
(705) 335-9137

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.

Report Submission and Electronic Certification

NPRI - Electronic Statement of Certification

Specify the language of correspondence

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

Certifying Official (or authorized delegate)

Report Submitted by

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 29/05/2017, I, Gilles Fontaine, 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

127-91-3

Beta-Pinene

67-56-1

Methanol

NA - M09

PM10 - Particulate Matter

NA - M16

Volatile Organic Compounds (VOCs)

Company Name

Tembec

Highest Ranking Employee

Gilles Fontaine

Report Submitted by

Gilles Fontaine

Website address

www.tembec.com

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
2016	29/05/2017	Hearst Sawmill	Ontario	Hearst	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.