

Toxics Reduction Act Public Annual Report - Calendar 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 Cochrane Sawmill
70 - 17th Avenue
P.O. Box 1059
Cochrane ON
P0L 1C0

Facility NPRI identification number

11068

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

5591

Number of full-time employees

121

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

Title

VP – Human Resources and Corporate Affairs
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Phone Number

(416) 775-2819

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

Facility Name

Tembec Cochrane Sawmill

Address 1

70 - 17th Avenue

Address 2

P.O. Box 1059

City

Cochrane

Province

ON

Postal Code

P0L 1C0

UTM coordinates, x and y

X

499471.8

Y

5433941.2

Datum

WGS84

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

Parent company name

Tembec

Address 1

10, chemin Gatineau

Address 2

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City

Temiscaming

Province

QC

Postal Code

J0Z 3R0

Percent Ownership

100%

Substance Accounting Information

Substance:

Alpha-Pinene

CAS Number:

80-56-8

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
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The amount of substance that was created:

7.667	Mg
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The amount of substance that was contained in product:

0.000	Mg
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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:

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:
The amount of substance that was created:
The amount of substance that was contained in product:

Amount	Units
0.000	Mg
4.016	Mg
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-Phellandrene
555-10-2

On a facility-wide basis:
Amount that entered the facility as the substance itself or as a constituent of another substance:
The amount of substance that was created:
The amount of substance that was contained in product:

Amount	Units
0.000	Mg
3.439	Mg
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:

Ethyl Alcohol
64-17-5

On a facility-wide basis:
Amount that entered the facility as the substance itself or as a constituent of another substance:
The amount of substance that was created:
The amount of substance that was contained in product:

Amount	Units
0.000	Mg
1.198	Mg
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 that entered the facility as the substance itself or as a constituent of another substance:
The amount of substance that was created:
The amount of substance that was contained in product:

Amount	Units
0.000	Mg
5.952	Mg
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:
The amount of substance that was created:
The amount of substance that was contained in product:

Amount	Units
0.000	Mg
1.480	Mg
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>

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:
The amount of substance that was created:
The amount of substance that was contained in product:

2016	2015	Difference	
Mg	Mg	Mg	%
0.000	0.000	0.000	0
7.667	7.802	-0.135	-1.7%
0.000	0.000	0.000	0

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:
The amount of substance that was created:
The amount of substance that was contained in product:

2016	2015	Difference	
Mg	Mg	Mg	%
0.000	0.000	0.000	0
4.016	4.087	-0.071	-1.7%
0.000	0.000	0.000	0

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-Phellandrene
555-10-2

On a facility-wide basis:
Amount that entered the facility as the substance itself or as a constituent of another substance:
The amount of substance that was created:
The amount of substance that was contained in product:

2016	2015	Difference	
Mg	Mg	Mg	%
0.000	0.000	0.000	0
3.439	3.500	-0.061	-1.7%
0.000	0.000	0.000	0

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:

Ethyl Alcohol
64-17-5

On a facility-wide basis:
Amount that entered the facility as the substance itself or as a constituent of another substance:
The amount of substance that was created:
The amount of substance that was contained in product:

2016	2015	Difference	
Mg	Mg	Mg	%
0.000	0.000	0.000	0
1.1980	1.2192	-0.0212	-1.7%
0.000	0.000	0.000	0

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 that entered the facility as the substance itself or as a constituent of another substance:
The amount of substance that was created:
The amount of substance that was contained in product:

2016	2015	Difference	
Mg	Mg	Mg	%
0.000	0.000	0.000	0
5.952	6.056	-0.104	-1.7%
0.000	0.000	0.000	0

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:

PM10
NA-M09

On a facility-wide basis:
Amount that entered the facility as the substance itself or as a constituent of another substance:
The amount of substance that was created:
The amount of substance that was contained in product:

2016	2015	Difference	
Mg	Mg	Mg	%
0.000	0.000	0.000	0
1.480	1.592	-0.112	-7%
0.000	0.000	0.000	0

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>

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
beta-Phellandrene	555-10-2
Ethyl Alcohol	64-17-5
Methanol	67-56-1
Particulate Matter equal to or less than 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, beta-phellandrene, Ethyl Alcohol, 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. No technically or economically feasible reduction options were identified for PM₁₀ or PM_{2.5}.

Toxics Reduction Progress

Quantities of reported substances are slightly less than those reported in 2015. These decreases are directly related to an overall decrease in the annual production in 2016 relative to 2015. However, these increases fall within the accepted range of being "insignificant" which Environment Canada deems to be variations in reported quantities of less than 10%. In the case of PM₁₀, the larger variation is due to changes in the quantity of road dust created and released which utilized historical weather data specific to 2016 from the nearest Environment Canada weather station. This resulted in an increase in the natural mitigation inputs used as part of the road dust calculations from 259 days to 268 days which in turn resulted in a decrease in the calculated emissions.

Plan Implementation Progress

Steps taken during the reporting period were those outlined in the plans for these substances pending the completion of a technical evaluation of the reduction options noted. There were no deviations from or amendments made to the plan in the reporting period. The timetable outlined in the plan will be met.

As of May 16, 2017, I certify that I have read the reports on the toxic substance reduction plan for alpha-Pinene, beta-Pinene, beta-phellandrene, Ethyl Alcohol, Methanol, PM₁₀, and PM_{2.5} and am familiar with its contents and to my knowledge the information contained in the report is factually accurate and the report complies 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:

Paulo Gignac
General Manager
(705) 360-7512

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.