

Toxics Reduction Act Public Annual Report 2020

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)

Rayonier A.M. 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.

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Number of full-time employees

122

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)

Ken Munnoch
Env. Mgr., Newsprint & Forest Products Group
(705) 337-9772

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

Rayonier A.M. 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

Rayonier A.M. Canada G.P.
4 Place Ville-Marie, Suite 100
Montréal
QC
H3B 2E7
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
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The amount of substance that was created:

5.789	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:
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
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The amount of substance that was created:

2.605	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:
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
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The amount of substance that was created:

4.290	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:

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
1.210	Mg
NA	Mg

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:
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:

2020	2019	Difference	
Mg	Mg	Mg	%
0.000	0.000	0.000	0
5.789	5.254	0.535	10.2%
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:

2020	2019	Difference	
Mg	Mg	Mg	%
0.000	0.000	0.000	0
2.605	1.980	0.625	31.6%
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:	Methanol			
CAS Number:	67-56-1			
On a facility-wide basis:	2020	2019	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Mg	Mg	Mg	%
	0.000	0.000	0.000	0
The amount of substance that was created:	4.290	3.711	0.579	15.6%
The amount of substance that was contained in product:	0.000	0.000	0.000	0
<p>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</p>				

Substance:	PM10			
CAS Number:	NA-M09			
On a facility-wide basis:	2020	2019	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Mg	Mg	Mg	%
	0.000	0.000	0.000	0
The amount of substance that was created:	1.210	1.348	-0.138	-10.3%
The amount of substance that was contained in product:	0.000	0.000	0.000	0
<p>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</p>				

Annual Progress Report

Substances for which toxic substance reduction plans have been prepared:

Substance	CASRN	Notes
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	Below reporting threshold

Plan Objectives

Ratonier A.M. Canada G.P. intends 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 15% in 2020 when compared to the 2019 value. Quantities of PM10 created and released decreased mainly due to an increase in the number of natural mitigation days used in the calculation of dust from unpaved roads at the facility. Natural mitigation of road dust emissions (including precipitation and snow cover days) increased from 256 days in 2019 to 267 days in 2020.

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 has been 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 2018 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 July 26, 2021, 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.