

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. Chapleau Sawmill	
175 Planer Road	
Chapleau	ON
POM 1K0	

Facility NPRI identification number

10397

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

163

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. Chapleau Sawmill	
175 Planer Road	
Chapleau	
	ON
	POM 1K0

UTM coordinates, x and y

Datum

X	318489.7	Y	5301986.7
			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:	Manganese and its compounds
CAS Number:	NA - 09
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	50.423 Mg
The amount of substance that was created:	0.000 Mg
The amount of substance that was contained in product:	20.942 Mg
<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:	Cadmium and its compounds
CAS Number:	NA - 03
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	40.340 kg
The amount of substance that was created:	0.000 kg
The amount of substance that was contained in product:	27.939 kg
<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:	Lead and its compounds
CAS Number:	NA - 08
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	BT kg
The amount of substance that was created:	BT kg
The amount of substance that was contained in product:	BT kg
<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:	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:	Amount Units
	0.000 Mg
The amount of substance that was created:	5.209 Mg
The amount of substance that was contained in product:	0.000 Mg
<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 Accounting Information

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:

Amount	Units
0.000	Mg
7.082	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
3.746	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-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
4.472	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
1.220	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:	Oxides of Nitrogen
CAS Number:	11104-93-1
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:	100.263 Mg
The amount of substance that was contained in product:	0.000 Mg
<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:	Carbon Monoxide
CAS Number:	630-08-0
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:	233.638 Mg
The amount of substance that was contained in product:	0.000 Mg
<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:	Particulate Matter
CAS Number:	NA - M08
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:	49.951 Mg
The amount of substance that was contained in product:	0.000 Mg
<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:	
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:	37.702 Mg
The amount of substance that was contained in product:	0.000 Mg
<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 Accounting Information

Substance:	PM2.5
CAS Number:	NA - M10
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:	33.138 Mg
The amount of substance that was contained in product:	0.000 Mg
<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>	

Comparison of Annual Reported Amounts

Substance:	Manganese and its compounds				
CAS Number:	NA - 09				
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	%
		50.423	41.633	8.790	21.1%
The amount of substance that was created:		0.000	0.000	0.000	0.0%
The amount of substance that was contained in product:		20.942	20.394	0.548	2.7%
<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:	Cadmium and its compounds				
CAS Number:	NA - 03				
On a facility-wide basis:		2020	2019	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:		kg	kg	kg	%
		40.340	36.500	3.840	10.5%
The amount of substance that was created:		0.000	0.000	0.000	0.0%
The amount of substance that was contained in product:		27.939	27.208	0.731	2.7%
<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:	Lead and its compounds				
CAS Number:	NA - 08				
On a facility-wide basis:		2020	2019	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:		kg	kg	kg	%
		BT	BT	NA	NA
The amount of substance that was created:		BT	BT	NA	NA
The amount of substance that was contained in product:		BT	BT	NA	NA
<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>					

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	0.0%
The amount of substance that was created:	5.209	5.218	-0.009	-0.2%
The amount of substance that was contained in product:	0.000	0.000	0.000	0.0%
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:	Alpha-Pinene			
CAS Number:	80-56-8			
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	0.0%
The amount of substance that was created:	7.082	6.936	0.147	2.1%
The amount of substance that was contained in product:	0.000	0.000	0.000	0.0%
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:	beta-Phellandrene			
CAS Number:	555-10-2			
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	0.0%
The amount of substance that was created:	3.746	3.291	0.455	13.8%
The amount of substance that was contained in product:	0.000	0.000	0.000	0.0%
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:	beta-Pinene			
CAS Number:	127-91-3			
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	0.0%
The amount of substance that was created:	4.472	4.003	0.469	11.7%
The amount of substance that was contained in product:	0.000	0.000	0.000	0.0%
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:	Ethyl Alcohol																				
CAS Number:	64-17-5																				
On a facility-wide basis:																					
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2020	2019	Difference																			
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On a facility-wide basis:																					
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CAS Number:	630-08-0																				
On a facility-wide basis:																					
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Substance:	Particulate Matter																				
CAS Number:	NA - M08																				
On a facility-wide basis:																					
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Comparison of Annual Reported Amounts

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:

2020	2019	Difference	
Mg	Mg	Mg	%
0.000	0.000	0.000	0.0%
37.702	37.148	0.554	1.5%
0.000	0.000	0.000	0.0%

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:

PM2.5
NA - M10

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	0.0%
33.138	31.625	1.513	4.8%
0.000	0.000	0.000	0.0%

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 - Calendar 2019

Substances for which toxic substance reduction plans have been prepared:

Substance	CASRN
Manganese and its compounds	NA - 09
Cadmium and its compounds	NA - 03
Lead and its compounds	NA - 08
Methanol	67-56-1
alpha-Pinene	80-56-8
beta-Phellandrene	555-10-2
beta-Pinene	127-91-3
Ethyl Alcohol	64-17-5
Nitrogen Oxides	11104-93-1
Carbon Monoxide	630-08-0
Total Particulate Matter (PM _{TPM})	NA - M08
Particulate Matter ≤10 microns (PM ₁₀)	NA - M09
Particulate Matter ≤2.5 microns (PM _{2.5})	NA - M10

Plan Objectives

The reduction of toxic substance use, creation and releases is a priority for Rayonier A.M. Canada G.P. forming part of our sustainability programs and EMS. Our goal is to reduce the use and release of the above noted substances 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 most of the substances noted above are naturally in the wood materials used by the facility and that most current research seeks to abate these emissions using end of pipe controls.

Toxics Reduction Progress

In the case of the volatile species, changes in the reported quantities are mainly attributable to changes to the wood supply ratio as the kiln dried quantity remained essentially unchanged from the previous reporting period. Releases of NPRI Part 4 substances, including Carbon Monoxide, Oxides of Nitrogen, Particulate Matter, PM10 and PM2.5 remain essentially unchanged from the previous reporting period. In the case of Cadmium and Manganese, the increased quantity used and disposed is due to an increase in the quantity of ash sent to disposal. The increase in the quantity of Cadmium released to air is due to an increase in the quantity of wood fuel used by the cogeneration unit. The decrease in the quantity of Manganese released to air is due to a decrease in the quantity of wood fuel used by the kiln boilers.

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). There were no deviations from or amendments made to the plan in the reporting period. The timetable outlined in the plan was 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 is 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:

Tim Yanni
General Manager
(705) 864-3000

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.