Northwood Pulp Mill
Environmental Product Declaration Sheet 2018

Mill Location:
Prince George, BC, Canada

Product Description:
620,000 admt/yr Premium Bleached Softwood Kraft Pulp

Process Description:
Enhanced - ECF Process

Bleaching Sequence:
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FIBRE SOURCING/SUSTAINABILITY

All fibre is harvested from sustainable forestry operations in the Prince George region. 100% of the fibre comes from non-controversial forests. 87% of the fibre is certified to sustainable foresty standards. Canfor Pulp has agreements in place with all our fibre suppliers to ensure that no protected or conservation areas are harvested. In addition, all of the harvested areas we source from have been assessed as low risk under the FSC Controlled Wood system. These procedures are audited by internal and external auditors annually.

SPECIES

Lodgepole pine – Pinus contorta
White spruce – Picea glauca
Sub-alpine fir – Abies lasiocarpa

CERTIFICATIONS

FIBRE	Certification #	Expiration Date
PEFC Chain of Custody	KPMG 2563	**March 1, 2022**
FSC Chain of Custody	KF-COC-001056	**August 17, 2018**
FSC Controlled Wood	KF-CW-001056	**August 17, 2018**

QUALITY & ENVIRONMENTAL		
ISO 9001:2015	KPMG 2658	**April 19, 2018**
ISO: 14001: 2015	KPMG 2658.01	**April 13, 2018**

FOOD GRADE		
ISEGA	Regulation (EC) No1935/2004-Food Contact	**April 20, 2019**
ISEGA	Decree on Tobacco Products-28 June 2010	**April 20, 2019**
US-FDA	21 CFR 176.170 / 176.180 / 186.1 /186.1673	**2018**
CHINA	GB4806.8 - 2016	**2018**

COMPLIANCE WITH INTERNATIONAL STANDARDS

Pulps are fully compliant with the requirements of the US Lacey Act, EU Timber Regulations, the Australian Illegal Logging Prohibition Act and REACH.

GREENHOUSE GAS EMISSIONS: 302 $kgCO_{2\text{-}e}$/admt

RENEWABLE ELECTRICITY: 81% of the electricity required for pulp mill operations is biomass energy generated by the mill from regional sawmill residuals.

ENERGY EFFICIENCY: 36.9 GJ/admt of which 85% is from renewable biomass energy.

Water Emissions		2017
	Acute lethal toxicity (rainbow trout, daphnia magna)	None
	BOD_5 (kg/admt)	2.31
	AOX (kg/admt)	0.26
	Nitrogen (kg/admt)	0.04
	Phosphorous (kg/admt)	0.02
	Water usage (m^3/admt)	82
	Total suspended solids (kg/admt)	6.18

Air Emissions		2017
	TRS (kg/admt)	0.09
	Particulate Matter (kg/admt)	1.04
	NOX (kg/admt)	1.23

Land Emissions		2017
	Solid waste land filled (kg/admt)	16.3

RESPONSIBLE FIBRE PROCUREMENT

Canadian Forest Products is our primary supplier of fibre. All of their operations are required to comply with Canfor's Environmental Policy and Sustainable Forest Management Principles, as well as with provincial and federal legislation and regulations. All Canfor forestry operations in British Columbia have an Environmental Management System registered to ISO 14001 and are certified under PEFC.

We ensure our fibre supplies originate from areas of low-risk sources, and ensure they are not sourced from any of the 5 requirements below:

- Illegally harvested wood
- Wood harvested in violation of traditional and human rights
- Wood from forests in which high conservation values are threatened by management activities
- Wood from forests being converted to plantations and non-forest use
- Wood from forests in which genetically modified tress are planted

CANFOR PLANTED 67 MILLION TREES IN 2017, ALMOST 3 TREES FOR EVERY TREE HARVESTED.

CANFOR PULP INNOVATION

Ultra-responsive to Canfor Pulp's customers and mills, Canfor Pulp Innovation (CPI) is staying abreast of technology and developments by working with both industry and academic partners through an Open Innovation program.

Unique among Canadian NBSK producers, we provide customers with rapid responses to their inquiries and direct access to our evolving capabilities including our latest technical insights and expertise – knowledge our customers and industry can benefit from and leverage to their advantage.

SUSTAINABILITY

To support Canfor and Canfor Pulp's commitment to sustainable operations, the companies produce a joint annual sustainability report that provides significant details about the One Canfor sustainability performance. The report includes details on our social, economic and environmental values. Both our 105 and 2016 reports were recognized by the Finance Sustainability Initiative as the Best Sustainability Report in the Renewable Resources & Alternative Energy category.

CLIMATE CHANGE

Canfor Pulp has reduced GHG intensity by 37% since 1990.

FOOD GRADE CERTIFICATIONS

All of our pulps are manufactured and rigorously tested by independent labs to ensure the pulps meet Food Grade Standards including the US FDA, European Standard (ISEGA) EC No. 1935/2004, and the China food contact regulation GB 4806.1 - 2016.

2017 BC's Top Employers

FSC

PEFC

EcoLogo™

2010 CCD-003: Renewable Low-Impact Electricity

LEADING SAFETY CULTURE

With safety as the number one priority, Canfor Pulp strives to improve its safety culture and performance to ensure employees and contractors can work in a healthy and safe workplace.

Safety Performance	2017	2016	2015	2014	2013	2012
Medical Incident Rate (incidents/200,000 hrs)	2.12	2.29	2.12	2.43	2.63	3.12

UNMATCHED QUALITY ASSURANCE

With Mihari, a unique suite of quality management and control technologies, Canfor Pulp quality tests 100% of finished pulp shipped from our Prince George mills compared to the industry standard of 1%. This cutting-edge technology provides Canfor Pulp customers with an unmatched level of quality assurance and Canfor Pulp's ability to guarantee that every bale of pulp shipped will meet or exceed the exact grade or required technical specifications.

ECOLOGO CERTIFICATION

All Canfor Pulp biomass energy plants are certified to EcoLogo environmental standard CCD-003 Renewable Low-impact Electricity Products.

RENEWABLE ENERGY

Canfor Pulp has made significant capital investments in renewable electricity generation and generated 951,347 MWh in 2016 (enough to power 113,000 homes).

RENEWABLE ELECTRICITY GENERATION (MWh)