



NORTHWOOD PULP MILL

Environmental Product Declaration Sheet 2022



NORTHWOOD PULP MILL

Prince George

BRITISH COLUMBIA

Vancouver

MILL LOCATION

Prince George, BC, Canada

PRODUCT DESCRIPTION

510,000 admt/yr Premium Bleached Softwood Kraft Pulp

SPECIES

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

PROCESS DESCRIPTION

Enhanced - ECF Process

BLEACHING SEQUENCE

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FIBRE SOURCING/SUSTAINABILITY

All fibre is harvested from sustainable forestry operations located primarily in the Prince George region of British Columbia. 100% of the fibre sourced by Canfor Pulp comes from noncontroversial forests. Approximately 97% of the fibre is certified to sustainable

forestry standards. Canfor Pulp has agreements in place with all our fibre suppliers to ensure that no protected or conservation areas are harvested.

Canfor Pulp is certified to the Forest Stewardship Council® (FSC®) Chain of Custody FSC-STD-40-004 V3-1 and Controlled Wood FSC-STD-40-005 V3-1 standards. FSC® controlled wood mitigates the risk of forest products originating from unacceptable sources. Our fibre sourcing activities are reviewed annually by third party auditors.

CERTIFICATIONS

FIBRE

PEFC Chain of Custody

CERTIFICATION

KPMG-PEFC-COC-2563

EXPIRATION DATE

August 29, 2027

FSC Chain of Custody
FSC Controlled Wood

KF-COC-001056
KF-CW-001056

August 29, 2027
August 29, 2027

QUALITY & ENVIRONMENTAL

ISO 9001: 2015
ISO:14001: 2015

KPMG 2658
KPMG 2658.01

April 14, 2024
April 12, 2024

FOOD GRADE

Regulation (EC) No. 1935/2004 - EU food contact

LFGB (2013) - Foodstuffs, consumer goods and animal feed code

BFR XXXVI (2017) - Paper and Board for food contact

BFR XXXV1/1 (2017) - Cooking papers, hot filter papers and filter layers

BFR XXXVI/2 (2017) - Paper and paperboard for baking purposes

BFR XXXVI/3 (2017) - Absorber pads based on cellulosic fibres for food packaging

USFDA - US Code of Federal Regulations, Food and Drugs 21CFR 176.170 / 176.180 / 186.1 / 186.1673

BGBI (2016) - Decree for Tobacco and related Products

China GB4806.8 (2016) - National food safety standard paper, paper board materials and products for food contact

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: 495 kgCO_{2-e}/admt

RENEWABLE ELECTRICITY: 91% of the electricity required for pulp mill operations is from renewable sources.

ENERGY EFFICIENCY: 34.2 GJ/admt of which 80% is from renewable biomass energy.



WATER EMISSIONS

2022

Acute lethal toxicity

None

(rainbow trout, *daphnia magna*)

BOD₅ (kg/admt)

3.88

AOX (kg/admt)

0.35

Nitrogen (kg/admt)

0.05

Phosphorous (kg/admt)

0.03

Water usage (m³/admt)

102.00

Total suspended solids (kg/admt)

8.37



LAND EMISSIONS

2022

Solid waste land filled

(kg/admt)

96.96



AIR EMISSIONS

2022

TRS (kg/admt)

0.10

Particulate Matter (kg/admt)

1.17

NOX (kg/admt)

1.47

For more information visit canfor.com



NORTHWOOD PULP MILL

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 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 trees are planted

Canfor has planted more than 64 million seedlings in Alberta and British Columbia.

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	2021	2020	2019	2018	2017	2016	2015	2014
MEDICAL INCIDENT RATE	1.83	1.36	1.59	0.71	2.12	2.29	2.43	2.63

(incidents/200,000 hrs)

ECOLOGO CERTIFICATION

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

RENEWABLE ENERGY

Our three pulp mills generate green energy. Where possible, we sell excess energy to the B.C. power grid. In 2021, the mills generated 833,198 megawatt hours (MWh) of power and sold 190,501 MWh to the power grid.

BIOMASS ELECTRICITY GENERATION (MWh)



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.

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.

SUSTAINABILITY REPORT

To support Canfor and Canfor Pulp's commitment to sustainable operations, the companies produce a joint annual sustainability report that provides significant details about our sustainability performance. We report on our progress towards our goals and targets under our three pillars of People, Planet and Products. Read our full report at sustainability.canfor.com.

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.

For more information visit canfor.com



2010 CCD-003:
Renewable Low-Impact Electricity
biomass electricity generation (MWh)