

Environmental Product Declaration Sheet 2024



MILL LOCATION

Peace River, Alberta, Canada

PRODUCT PROFILE

170,000 ADMTs/yr Northern Bleached Softwood kraft pulp
305,000 ADMTs/yr Northern Bleached Hardwood kraft pulp

PROCESS DESCRIPTION

Mercer Peace River produces high-quality, bleached hardwood kraft pulp from the aspen and balsam poplar trees that grow in the surrounding area. The mill also uses softwood chips purchased from regional sawmills. The bleach plant process is enhanced Elemental Chlorine Free (ECF).

ECF BLEACHING SEQUENCE

D0 E0 D1 D2

SOFTWOOD SPECIES

- **White Spruce** - Picea glauca
- **Black Spruce** - Picea mariana
- **Lodgepole pine** - Pinus contorta

HARDWOOD SPECIES

- **Trembling Aspen** - Populus tremuloides
- **Balsam Poplar** - Populus balsamifera

SUSTAINABLE FOREST MANAGEMENT

Mercer Peace River Pulp Ltd. processes approximately 2.4 million cubic meters of wood to produce both softwood and hardwood pulp annually. The softwood chips are sourced from regional sawmills to produce premium reinforcing softwood pulp. The remainder of Mercer Peace River's production is fulfilled with hardwood fiber (chips) sourced from the company's forest tenures. The mill has an annual hardwood allowable cut of 2.5 million cubic meters. In 2024, Mercer Peace River utilized 1.2 million cubic meters to fulfill its hardwood production requirements. The mill's forest tenures encompass an area of 2.7 million hectares of boreal forest which are carefully monitored through the Forest Management Plans (FMP).

Through ecosystem-based management, Mercer Peace River's FMP describes a sustainable forest of the future based on objectives intended to maintain integral components of the natural forest over a 200-year planning horizon.

By following sound forest management practices designed to provide a perpetual sustained yield of timber, while not reducing the productivity of the land and its inherent values, Mercer Peace River manages these forests with the five sustainability principles:

- Enhancement of biological diversity
- Soil and water conservation
- Consideration of global ecosystems
- Providing multiple benefits to society
- Engaging indigenous communities and the public in sustainable forest management

CERTIFICATIONS

| FIBER | CERTIFICATION NO. | EXPIRATION DATE |
|-------------------------------|--------------------------------------|--------------------|
| PEFC Chain of Custody | SCS-PEFC-COC-100153 | September 28, 2027 |
| FSC® Chain of Custody | SCS-COC-701158 | October 16, 2027 |
| SFI® Forest Management | SCS-SFI-FM-005918 | October 24, 2026 |
| SFI® Fiber Sourcing | SCS-SFI-FS-005918 | October 24, 2026 |
| QUALITY, ENVIRONMENT & ENERGY | | |
| ISO 9001:2015 | C642377 | January 30, 2027 |
| ISO 14001:2015 | CERT-0124062 | September 09, 2027 |
| FOOD GRADE | STANDARD | EXPIRATION DATE |
| ISEGA | BfR XXXVI, XXXVI/1, XXXVI/2, XXXVI/3 | May 21, 2025 |
| US-FDA | 21 CFR 176.170 and 176.180 | May 21, 2025 |

2023 ENVIRONMENTAL PARAMETERS

| | | | | | | | | | | | | | |
|--|---|-----------------------------|------|---------------------------|------|------------------------------|------|-----------------------|------|------------------------------------|-------|----------------------------------|------|
| FOSSIL FUEL GREENHOUSE GAS EMISSIONS: | 462 CO ₂ e/ADMT | | | | | | | | | | | | |
| RENEWABLE ELECTRICITY: | The mill's biomass is the main source of the electricity required for the pulp operation. | | | | | | | | | | | | |
| ENERGY EFFICIENCY: | 33.79 GJ/ADMT, of which 78% is from renewable sources. | | | | | | | | | | | | |
| WATER EMISSIONS: | <table> <tr> <td>BOD₅ (kg/ADMT):</td><td>0.48</td></tr> <tr> <td>AOX (kg/ADMT)</td><td>0.11</td></tr> <tr> <td>Nitrogen (kg/ADMT)</td><td>0.16</td></tr> <tr> <td>Phosphorous (kg/ADMT)</td><td>0.07</td></tr> <tr> <td>Water usage (m³/ADMT)</td><td>82.80</td></tr> <tr> <td>Total suspended solids (kg/ADMT)</td><td>2.56</td></tr> </table> | BOD ₅ (kg/ADMT): | 0.48 | AOX (kg/ADMT) | 0.11 | Nitrogen (kg/ADMT) | 0.16 | Phosphorous (kg/ADMT) | 0.07 | Water usage (m ³ /ADMT) | 82.80 | Total suspended solids (kg/ADMT) | 2.56 |
| BOD ₅ (kg/ADMT): | 0.48 | | | | | | | | | | | | |
| AOX (kg/ADMT) | 0.11 | | | | | | | | | | | | |
| Nitrogen (kg/ADMT) | 0.16 | | | | | | | | | | | | |
| Phosphorous (kg/ADMT) | 0.07 | | | | | | | | | | | | |
| Water usage (m ³ /ADMT) | 82.80 | | | | | | | | | | | | |
| Total suspended solids (kg/ADMT) | 2.56 | | | | | | | | | | | | |
| AIR EMISSIONS: | <table> <tr> <td>TRS (kg/ADMT)</td><td>0.04</td></tr> <tr> <td>SO₂ (kg/ADMT)</td><td>2.29</td></tr> <tr> <td>Particulate matter (kg/ADMT)</td><td>0.87</td></tr> <tr> <td>NOX (kg/ADMT)</td><td>1.84</td></tr> </table> | TRS (kg/ADMT) | 0.04 | SO ₂ (kg/ADMT) | 2.29 | Particulate matter (kg/ADMT) | 0.87 | NOX (kg/ADMT) | 1.84 | | | | |
| TRS (kg/ADMT) | 0.04 | | | | | | | | | | | | |
| SO ₂ (kg/ADMT) | 2.29 | | | | | | | | | | | | |
| Particulate matter (kg/ADMT) | 0.87 | | | | | | | | | | | | |
| NOX (kg/ADMT) | 1.84 | | | | | | | | | | | | |
| WASTE MANAGEMENT: | Solid waste landfilled (kg/ADMT): 36.77 | | | | | | | | | | | | |

Environmental Product Declaration Sheet 2024

ROAD TO ZERO

The protection of human health and personal safety rank at the highest level of importance to Mercer's operations.

Mercer Peace River operates in a diligent and responsible manner to ensure ZERO HARM to their people through their Road to Zero safety program. Mercer Peace River is dedicated to continuously improving their processes, being individually accountable and promoting comprehensive safety awareness.

Mill Safety Performance - Total Recordable Incident Rate (TRIR):

(Incidents /200,000 hrs)

2022: 1.99 | 2023: 1.86 | 2024: 0.29



QUALITY ASSURANCE

Refining is the key process required in papermaking to alter fiber characteristics. Mercer operates a state-of-the-art laboratory refiner simulating the industrial refining process to support Mercer customers, mill projects, and applied research.

RESPONSIBLE FIBER SOURCING

Mercer Peace River's fiber suppliers must comply with the Mercer International [Wood and Fibre Procurement Policy](#), ensuring Mercer sources fiber from sustainably managed forests. The Forest tenures and fiber purchases through the Peace River mill are certified to the Sustainable Forest Initiative (SFI®) standards for forest management and fiber sourcing. Mercer Peace River also maintains Chain-of-Custody certification to the PEFC and FSC® standards, meeting customer demand for certified pulp produced from sustainable sources.

Mercer Peace River's approach to sustainable forest management and wood sourcing is guided by the following principles:

- Legal and regulatory compliance in wood harvesting and purchasing
- Building long-term supplier relationships
- Respectful collaboration with small landowners and Indigenous communities
- Prioritizing worker safety and minimizing the carbon footprint

Furthermore, we ensure that fiber is not sourced from:

- 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 harvested in forests being converted to plantations or non-forest use
- Wood from forests in which genetically modified trees are planted

FOOD GRADE CERTIFICATIONS

Mercer Peace River's hardwood and softwood pulps are tested by independent labs to ensure they meet Food Grade Standards, including US FDA and European Standards (ISEGA) EC No. 1935/2004.

MITIGATING CLIMATE CHANGE

Mercer Peace River is committed to reducing its GHG emissions intensity through continuous investment in technologies to improve energy efficiency, increase the usage of renewable fuels, and ensure full-fiber utilization. Mercer Peace River has made significant capital investments in renewable electricity generation.

In 2024, Mercer Peace River generated 354 GWh of renewable energy, which is enough to power 32,000 homes in Alberta.

As part of Mercer Peace River's commitment to sustainable operations and products, an annual company-wide Sustainability Report is published that demonstrates progress and achievements towards sustainability goals. Read the full report at mercerint.com/sustainability/

SCIENCE BASED TARGETS INITIATIVE (SBTi)

Responding to the SBTi's urgent call for corporate climate action, Mercer International has set science-based GHG emissions reduction targets that have been validated by the SBTi.

COMPLIANCE WITH INTERNATIONAL STANDARDS

Mercer Peace River pulp is fully compliant with the requirements of the US Lacey Act, the EU Timber Regulations, the EU Deforestation Regulation and the EU REACH Regulation.

