# Pulp Procurement Policy for Protecting Forests [Effective: October 1, 2015]

Shandong Yamei Sci-tech Co., Ltd. is committed to playing a leadership role in the dissolving pulp & cellulosic fibre industry and will work with our wood pulp suppliers and Canopy in order to promote sustainable forest management and the protection of ancient and endangered forests.

Shandong Yamei Sci-tech Co., Ltd. supports the production of cellulosic fibres & fabrics from wood fibre that is not sourced in ancient and endangered forests, such as Indonesia's tropical forest and Canada's Boreal Forest, unless meaningful conservation plans and FSC certification are in place.

The following principles apply to all man-made cellulosic fibers, fabrics and textiles, including but not limited to rayon, viscose, lyocell, modal and trademarked product lines produced by our company. This commitment addresses our own operations as well as our procurement practices. This policy supports principles that result in long-term environmental, social and economic benefits.

### **Scope of Commitment**

All of our operations, including companies we control, manage and/or have an investment in – will be in compliance with this policy.

We will source our raw material only through suppliers that are transparent, traceable and comply with this policy.

If suppliers contravene these criteria, we will first engage them to change practices and then re-evaluate our relationship with them if we find that fiber is coming from sources that do not meet this policy.

Conservation of Ancient & Endangered Forests<sup>1</sup> and Intact Forest Landscapes<sup>2</sup>: Shandong Yamei Sci-tech Co., Ltd. supports a future that does not use ancient and endangered forest for dissolving pulp to make cellulosic fibers. We will, therefore:

- Assess our existing use of wood pulp and fiber and ensure that we are not sourcing fibers
  made from ancient and endangered forests areas such as the Canadian and Russian
  Boreal Forests; Coastal Temperate Rainforests; tropical forests and peatlands of Indonesia,
  the Amazon and West Africa, or endangered species habitat.
- Work with our fibre suppliers towards phasing out and finding suitable alternatives to any fibre sourced from these regions.
- Eliminate sourcing fiber from other controversial sources including companies that are logging forests illegally<sup>3</sup> and from tree plantations established after 1994 through the conversion or simplification of natural forests.

Recognizing, respecting and upholding human rights and the rights of communities We will request that our suppliers respect the Universal Declaration of Human Rights and acknowledge indigenous and rural communities legal, customary or user rights to their territories, land, and resources. To do so, we request that our suppliers acknowledge the right of Indigenous People and rural communities to give or withhold their Free, Prior and Informed Consent (FPIC) before new logging rights are allocated or tree plantations are developed,

resolve complaints and conflicts, and remediate prior human rights violations through a transparent and accountable grievance mechanism and mutually agreeable dispute resolution process.

#### **Innovative and Alternative Fiber Development**

We will collaborate with Canopy, innovative companies and suppliers to explore and encourage the development of fiber sources that reduce environmental and social impacts. Where appropriate, we will play an active role in the research and development of commercial scale production of pulp and cellulosic fiber made from alternative fiber sources such as agricultural residues<sup>5</sup> and recycled fibers.

## **Advocacy for Conservation Solutions**

Working with Canopy we will support collaborative and visionary system solutions that protect remaining ancient and endangered forests in the Coastal Temperate Rainforests of Vancouver Island and Great Bear Rainforest<sup>6</sup>, Canada's Boreal Forests<sup>7</sup>, and Indonesia's Rainforests.<sup>8</sup>

#### **Forest Certification**

We will preference fibre sourced from forests that are responsibly managed forests, certified to the Forest Stewardship Council (FSC) certification system. FSC certified plantations<sup>9</sup> are part of the solution.

## Transparency, Traceability and Verification

We will ensure the transparency & traceability of our own operations and supply chains by 2016, and will identify the origin of our raw material sourcing, including pulp and plantations/wood fibre, through mapping our entire supply chain (chain of custody) back to the mills, plantations, and forest areas. We will work with stakeholders to develop third party verification systems our operations and supply chain and be verified ancient & endangered forest free by 2017.

## Reduction of Greenhouse Gas Footprint

Recognizing the importance of forests and peatlands as carbon storehouses, we will support initiatives that advance forest conservation to reduce the loss of high carbon value forests, by encouraging vendors and suppliers to avoid harvest in these areas, and by giving preference to those that use effective strategies to actively reduce their greenhouse gas footprint.

#### **Pollution Prevention**

Pulp and viscose manufacturing is a resource-intensive process that can lead to air and water emissions that impact overall environmental quality. This policy does not address these other critical environmental issues, however, we will invest in and use the cleanest dissolving pulp and viscose manufacturing technology.

# Communication

We recognize the benefit of creating environmental awareness among our customers, employees and peers. As such, we will highlight our environmental efforts on our website and in public communications.

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[Note this footnote is key, otherwise the policy would suggest you would not source from this region, despite the conservation agreements in place, which would be a disincentive for forest companies to make these type of conservation agreements in other ancient and endangered forests].

<sup>7</sup>Canada's Boreal Forest contain the largest source of unfrozen freshwater world wide and are part of the world's largest terrestrial carbon sink – equivalent to 26 years worth of global fossil fuel use. Canopy is committed to working collaboratively on the establishment of new protected areas, the protection of endangered species and the implementation of sustainable harvesting in Canada's Boreal Forest.

This region is slated for the largest increase in mills for dissolving pulp that goes into cellulose-based fabrics.

<sup>8</sup>Indonesia experiences the second highest rate of deforestation among tropical countries, with Sumatra Island standing out due to the intensive forest clearing that has resulted in the conversion of 70% of the island's forested area (FAO Forest Assessment 2010; Margono, B.A. et al. 2012). Asia Pulp & Paper (APP) and Asia Pacific Resources International Ltd. (APRIL) have been identified as the primary cause and are criticized by local and international groups for being implicated in deforesting important carbon rich peat lands, destroying the habitat for critically endangered species and traditional lands of indigenous communities, corruption, and human rights abuses (Eyes on the Forest. 2011. <a href="http://www.eyesontheforest.or.id/">http://www.eyesontheforest.or.id/</a>). APP has recently put in place a promising forest policy, tracking its implementation will be key to understanding if it offers lasting solutions for Indonesia's Rainforests and also if APRIL (a key producer of dissolving pulp for fabrics) will follow suit.

<sup>9</sup>Plantations area areas that have been "established by planting or sowing using either alien or native species, often with few species, regular spacing and even ages, and which lack most of the principal characteristics and key elements of natural forests". Plantations prior to 1994 are often FSC certified. Source FSC: <a href="http://www.fsc.org/download.plantations.441.htm">http://www.fsc.org/download.plantations.441.htm</a>

Ancient and Endangered Forest Ancient and endangered forests are defined as intact forest landscape mosaics, naturally rare forest types, forest types that have been made rare due to human activity, and/or other forests that are ecologically critical for the protection of biological diversity. Ecological components of endangered forests are: Intact forest landscapes; Remnant forests and restoration cores; Landscape connectivity; Rare forest types; Forests of high species richness; Forests containing high concentrations of rare and endangered species; Forests of high endemism; Core habitat for focal species; Forests exhibiting rare ecological and evolutionary phenomena. As a starting point to geographically locate ancient and endangered forests, maps of High Conservation Value Forests (HCVF), as defined by the Forest Stewardship Council (FSC), and of intact forest landscapes (IFL), can be used and paired with maps of other key ecological values like the habitat range of key endangered species and forests containing high concentrations of terrestrial carbon and High Carbon Stocks (HCS). (The Wye River Coalition's Endangered Forests: High Conservation Value Forests Protection – Guidance for Corporate Commitments. This has been reviewed by conservation groups, corporations, and scientists such as Dr. Jim Stritholtt, President and Executive Director of the Conservation Biology Institute, and has been adopted by corporations for their forest sourcing policies). Key endangered forests globally are the Canadian and Russian Boreal Forests; Coastal Temperate Rainforests of British Columbia, Alaska and Chile; Tropical forests and peat lands of Indonesia, the Amazon and West Africa. For more information on the definitions of ancient and endangered forests, please go to: <a href="https://canopyplanet.org/index.php?page=science-behind-the-brand">https://canopyplanet.org/index.php?page=science-behind-the-brand</a>

<sup>&</sup>lt;sup>2</sup> Intact Forest Landscape (IFL) is an unbroken expanse of natural ecosystems within the zone of current forest extent, showing no signs of significant human activity, and large enough that all native biodiversity, including viable populations of wide-ranging species, could be maintained. (http://www.intactforests.org/world.map.html)

<sup>&</sup>lt;sup>3</sup>Legal forest management is management that complies with all applicable international, national, and local laws, including environmental, forestry, and civil rights laws and treaties.

<sup>&</sup>lt;sup>5</sup>Agricultural residues are residues/by-products left over from food production or other processes and using them maximizes the lifecycle of the fiber. Depending on how they are harvested, fibers may include flax, bagasse, and hemp.

<sup>&</sup>lt;sup>6</sup> Where conservation solutions are finalized we will consider sourcing from the Great Bear Rainforest, located in coastal temperate rainforests that originally covered 0.2% of the planet, and where now less than 25% of the original forests remain. The 2006 Great Bear Rainforest Agreements signed between environmentalists, logging companies, First Nations and the British Colombia Government includes the creation of a new land management regime called Ecosystem-Based Management that includes more than 4.9 million acres (2 million hectares) protected from logging and new lighter touch logging regulations applied outside of protected areas. All stakeholders have now agreed and efforts are underway to have governments fully implement the agreement by September 2015.