

Monitoring the sustainability of pulp sources

A significant new target is that the origin of all the fibre used in all pulp purchased by Stora Enso must be known and suitably documented. In 2004, principles concerning the origin of fibre in purchased pulp, linerboard and fluting were approved. The action plan for the implementation of these principles has started with chemical pulp.

Stora Enso is engaged in discussions with suppliers on how to proceed. The aim is that all pulp supply contracts will include:

- suppliers' assurance of compliance with national laws and regulations;
- suppliers' commitment to Stora Enso's Principles of Environmental and Social Responsibility for Wood Procurement and Sustainable Forest Management;
- information regarding the percentage of pulp production that is ISO 14001 certified, EMAS registered or certified to forest certification with or without chain-of-custody;
- entitlement for Stora Enso to audit the supplier's environmental and social performance.

Stora Enso also encourages all chemical pulp suppliers to establish chain-of-custody certification and environmental management systems.

Both ECF and TCF bleaching in use

Stora Enso does not use elemental chlorine in bleaching processes at any of its 15 chemical pulp mills. The choice of bleaching method is based on the optimisation of quality, production and environmental impacts. **Nymölla Mill** uses a Totally Chlorine-Free (TCF) process, which is also occasionally used at **Kemijärvi Pulp Mill** according to demand. Stora Enso's other chemical pulp mills use an Elemental Chlorine-Free (ECF) process that will also be used at the new **Veracel Pulp Mill**, scheduled for startup in summer 2005. ECF bleaching has been recognised as a Best Available Technology (BAT) by the European Commission and the US Environmental Protection Agency.

Pulp sources

Stora Enso's pulp production is integrated into the paper and board business, to ensure that pulp produced within the Group is used whenever possible. External suppliers currently account for 15% of Stora Enso's chemical pulp consumption. About 90% of the externally purchased pulp comes from a dozen key suppliers. •

Chemical pulp balance

	2000	2001	2002	2003	2004
Production	4 732	4 325	4 724	4 859	4 956
Sunila ¹⁾	131	150	151	165	174
Total production	4 863	4 475	4 875	5 024	5 130
Deliveries to own mills	3 804	3 660	4 052	4 173	4 335
External deliveries (A)	1 059	815	823	851	791
External purchases (B)	1 066	769	733	673	795
Pulp balance (A – B)	-7	46	90	178	-4

¹⁾ Associated company



For more details about ECF and TCF bleaching, see the fact sheet at www.storaenso.com/factsheets.