

Environmental profile

Södra has a strong environmental profile:

- All wood is traceable and forest operations are certified under PEFC or FSC.
- All mills have highly closed process water systems, made possible by the TCF (65%) and ECF (35%) bleaching methods.
- Modern effluent treatment and other environmental process systems ensure most emissions are well below BAT.
- We have a highly efficient energy system. Mills deliver electricity, district heating and biofuel to the community.
- Södra has extremely low greenhouse gas emissions. The proportion of biofuel in our fuel mix is world-leading. Södra is more than carbon neutral when carbon sequestration in the forest, district heating and electricity production is taken into account.

Information gathered from 01.01.2011 to 31.12.2011.

Use of resources, production and environmental impact

		Folla	Mönsterås	Mörrum	Toffe	Värö
Raw Materials	Wood (m ³ _{sub})	217 000	3 272 000	1 687 000	1 509 000	1 901 000
	Chemicals, Oils etc. (tonnes)	6 610	115 000	70 900	52 700	64 200
	Water (Mm ³)	3.5	24	28	16	36
	Other raw materials (tonnes)	140	1 590	813	844	916
External energy	Fossil fuel (MWh)	5060	222 000	226 000	199 000	47 000
	Of which fuel oil (m ³)	517	21 400	20 800	18 500	4 070
	Purchased biofuel (MWh)	7 190	31 000	73 300	0	196 000
	Purchased electricity (MWh)	103 900	7 120	6 390	22 380	25 630
Products/By-products	Pulp (ADt)	80 000	702 000	384 000	358 000	388 000
	Tall oil (tonnes)		8 320	2 800		7 420
	Turpentine (tonnes)		1 110		378	350
	Ash (tonnes)					140
	Lime sludge (tonnes)		3 340	4 110	2 710	28 000
	Reject pulp (tonnes)			5 510		2 930
	Thermal energy (MWh)		146 000	168 000		195 000
	Biofuel (MWh)		168 000	39 700	2 940	258 000
	Electricity (MWh)		221 800	33 600	24 100	95 500
	Air emissions	Gaseous Sulphur as SO ₂ (tonnes)	0.1	333	303	572
NO _x as NO ₂ (tonnes)		26	820	508	534	477
Dust (tonnes)		7.1	173	121	143	69
CO ₂ – fossil (tonnes)		1 570	62 800	65 500	58 900	14 600
CO ₂ – biogenic (tonnes)		10 600	1 777 000	864 000	817 000	906 000
Water emissions	AOX (tonnes)	0	0	20	90	0
	COD (tonnes)	1 640	5 270	7 450	8 760	7 100
	TOC (tonnes)		1 950	2 760	2 220	2 630
	BOD ₇ (tonnes)		207	705	1 270	868
	TSS (tonnes)		237	1 600	642	979
	SS 70 (tonnes)	275			222	229
	N _{tot} (tonnes)	61	70	137	23	103
	P _{tot} (tonnes)	6	4	22	17	9
Waste	Deposited waste (BD tonnes)	328	20 800	12 400	4 100	2 800
	Hazardous waste (tonnes)	18	114	78	71	432