

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.

Use of resources, production and environmental impact

		2011	2010	2009	2008
Raw Materials	Wood (m ³ sub)	3 272 000	3 241 000	3 299 000	3 541 000
	Chemicals, Oils etc. (tonnes)	115 000	97 700	110 000	143 700
	Water (Mm ³)	24	22	24	26
	Other raw materials (tonnes)	1 590	1 600	1 570	1 700
External energy	Fossil fuel (MWh)	222 000	240 000	185 000	221 000
	Of which fuel oil (m ³)	21 400	22 300	17 200	20 200
	Purchased biofuel (MWh)	31 000	106 000	74 000	114 000
	Purchased electricity (MWh)	7 120	5 440	8 550	3 060
Products/By-products	Pulp (ADt)	702 000	708 000	702 000	762 000
	Tall oil (tonnes)	8 320	5 300	90	901
	Turpentine (tonnes)	1 110	1 200	1 130	992
	Ash (tonnes)				
	Lime sludge (tonnes)	3 340	0	12 000	10 000
	Reject pulp (tonnes)				
	Thermal energy (MWh)	146 000	162 000	152 000	131 000
	Biofuel (MWh)	168 000	168 000	140 000	290 000
	Electricity (MWh)	221 800	230 300	184 700	189 300
	Air emissions	Gaseous Sulphur as SO ₂ (tonnes)	333	313	301
NO _x as NO ₂ (tonnes)		820	841	759	775
Dust (tonnes)		173	189	131	143
CO ₂ – fossil (tonnes)		62 800	68 500	52 200	62 600
CO ₂ – biogenic (tonnes)		1 777 000	1 934 000	1 931 000	2 113 000
Water emissions	AOX (tonnes)	0	0	0	0
	COD (tonnes)	5 270	5 110	5 490	5 370
	TOC (tonnes)	1 950	1 890	2 040	1 990
	BOD ₇ (tonnes)	207	116	107	84
	TSS (tonnes)	237	158	190	156
	SS 70 (tonnes)				
	N _{tot} (tonnes)	70	39	45	38
Waste	P _{tot} (tonnes)	4	3	3	3
	Deposited waste (BD tonnes)	20 800	18 200	15 100	16 300
	Hazardous waste (tonnes)	114	109	307	412