



Environmental data 2020

EMISSIONS TO WATER AND AIR

Permission		2020	2019	2018	2017	2016
PRODUCTION						
Rottneros Mill	ton	179 900	178 400	174 000	172 600	156 600
Vallviks Mill	ton	232 700	227 600	219 600	228 600	217 500

SULFUR		2020	2019	2018	2017	2016
Rottneros Mill	ton/year	-	6	16	27	22
Vallviks Mill - excl. diffuse emissions	ton/year	80	12	17	16	22
Vallviks Mill - diffuse emissions	kg/ton	0,18	0,15	0,16	0,34	0,34

NOX		2020	2019	2018	2017	2016
Rottneros Mill	ton/year	-	31	28	22	31
Vallviks Mill	ton/year	420	346	362	344	368

SUSPENDED SUBJECTS		2020	2019	2018	2017	2016
Rottneros Mill	ton/year	375	222	135	163	208
Vallviks Mill	ton/day	2,5	1,3	1,4	1,3	1,3

COD		2020	2019	2018	2017	2016
Rottneros Mill	ton/year	4 000	3 755	3 213	3 903	3 842
Vallviks Mill, ECF	ton/day	15	12,4	14,0	12,3	12,1
Vallviks Mill, UKP	ton/day	6,5	4,8	6,7	5,9	5,3

BOD7		2020	2019	2018	2017	2016
Rottneros Mill	ton/year	-	1367	785	818	1 115
Vallviks Mill	ton/day	-		2,4	1,9	1,5

AOX		2020	2019	2018	2017	2016
Vallviks Mill, ECF	kg/ton	0,25	0,11	0,10	0,10	0,08

PHOSPHORUS		2020	2019	2018	2017	2016
Rottneros Mill	ton/year	2,2	1,6	0,7	1,4	0,9
Vallviks Mill	kg/day	25	19	18	17	17

NITROGEN		2020	2019	2018	2017	2016
Rottneros Mill	ton/year	42	25	26	29	28
Vallviks Mill	kg/day	175	87	99	90	80

CHLORATE		2020	2019	2018	2017	2016
Vallviks Mill, ECF	kg/ton	0,6	0,3	0,4	0,4	0,3



ENERGY CONSUMPTION EXCLUDING ELECTRICITY

		2020	2019	2018	2017	2016
Rottneros Mill						
Biofuels	GWh	85	81	77	63	54
Fossil fuels	GWh	32	36	33	52	58
In total	GWh	117	118	109	115	112
Proportion of biofuel	%	73	69	71	55	49

Vallviks Mill						
Biofuels incl. black liquor	GWh	1 689	1 673	1 609	1 628	1 573
Fossil fuels	GWh	21	32	27	13	23
In total	GWh	1 710	1 705	1 636	1 641	1 596
Proportion of biofuel	%	99	98	98	99	99

The Group						
Biofuels incl. black liquor	GWh	1 774	1 754	1 686	1 691	1 628
Fossil fuels	GWh	53	68	59	65	80
In total	GWh	1 827	1 823	1 745	1 756	1 708
Proportion of biofuel	%	97	96	97	96	95



ELECTRICITY CONSUMPTION

		2020	2019	2018	2017	2016
Rottneros Mill						
Purchased electricity	GWh	267	265	271	268	241

Vallviks Mill						
Electricity generated in the factory	GWh	146	138	124	137	125
- hence green electricity	GWh	144	135	122	136	123
Purchased electricity	GWh	30	36	48	41	53
In total	GWh	176	174	172	178	178
share produced in the factory	%	83	79	72	77	70

The Group						
Electricity generated in the factory	GWh	146	138	124	137	125
- hence green electricity	GWh	144	135	122	136	123
Purchased electricity	GWh	297	301	319	309	294
In total	GWh	443	439	443	446	419
share produced in the factory	%	33	31	28	31	30



CARBON DIOXIDE EMISSIONS

		2020	2019	2018	2017	2016
Rottneros Mill						
Fossil fuels	ton/year	7 299	9 989	8 941	14 361	15 748
Biofuels	ton/year	33 630	31 433	31 053	35 145	37 492
- share of biofuels	%	82	76	78	71	70

Vallviks Mill						
Fossil fuels	ton/year	5 604	8 723	7 353	3 420	6 276
Biofuels	ton/year	656 581	646 212	619 198	628 886	603 689
- share of biofuels	%	99	99	99	99	99

The Group						
Fossil fuels	ton/year	12 903	18 712	16 294	17 781	22 024
Biofuels	ton/year	690 211	677 645	650 251	664 301	641 181
- share of biofuels	%	98	97	98	97	97

FOSSIL CARBON DIOXIDE EMISSIONS, GHG scope 1

		2020	2019	2018	2017	2016
Rottneros Mill	ton/year	7 299	9 989	8 941	14 361	15 748
Vallviks Mill	ton/year	5 604	8 723	7 353	3 420	6 276
The Group	ton/year	12 903	18 712	16 294	17 781	22 024

FOSSIL CARBON DIOXIDE EMISSIONS, GHG scope 2*

		2020	2019	2018	2017	2016
Rottneros Mill	ton/year	90 385	66 451	89 186	93 937	81 070
Vallviks Mill	ton/year	10 156	9 053	15 797	14 371	17 829
The Group	ton/year	100 540	75 505	104 983	108 308	98 899

* Based on the environmental impact (g / kWh) for the Nordic residual mix last year.