

Table 2

**Monitoring methods applied (only for installations contributing cumulatively to 50% of the total emissions included in the trading scheme.
No information needs to be reported for sources within these installations with annual emissions below 25 kt CO₂ eq.)**

Member State: Sweden

Reporting Period: 2011

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Permit ID code	Installation ID code	Main Annex I activity ^(a)	Total annual emissions ^(b) t CO ₂	Annex I activity ^(c)	Fuel or activity type ^(d)	Related emissions ^(b) t CO ₂	Activity data Tier	Emission factor Tier	Tier chosen ^(e) Net calorific value Tier	Oxidation factor Tier	Emission factor Value	Unit ^(f)	Net calorific value Value	Unit ^(g)	Oxidation factor %
SSAB EMEA AB Oxelösund SE- 04-563-011683-2004	SE-494	F2 Tackj�rn/st�l	2 201 056	F2	Coking coal	1 571 623	4	1		2	3,664	ton CO2/ton			79,9%
					pci-coal	320 722	4	1		2	3,664	ton CO2/ton			83,6%
					coke	397 576	3	1		2	3,664	ton CO2/ton			89,1%
					EO5	45 176	4	1		2	3,664	ton CO2/ton			87,1%
Lulekraft AB SE- 25-563-016191-2004	SE-178	E1 F�rbr�nning	1 977 255		Mixed process gases	1 943 605	3a	3	3	1	280,170	ton CO2/TJ	0,0000	TJ/m3	100,0%
Preemraff Lysekil SE- 14-563-055527-2004	SE-426	Mineraloljeraffin�r	1 735 310		Refinery gas	120 861	4a	3		1	2,400	ton CO2/ton			99,5%
					Refinery gas	261 742	4a	3		1	2,760	ton CO2/ton			99,5%
					Refinery gas	108 493	4a	3		1	2,560	ton CO2/ton			99,5%
					Refinery gas	31 507	3a	2		22� niv�l�s	3,000	ton CO2/ton			99,5%
					regenerating catalyst	195 993	2	22� niv�l�s		22� niv�l�s	3,510	ton CO2/ton			100,0%
					Hydrogen production	519 060	2	2		22� niv�l�s	1,100	ton CO2/ton			100,0%
Cementa AB Slitefabriken SE- 09-563-005614-2004	SE-406	Cementklinker/�	1 572 791	M1	Dust coal	374 423	3b	3	3	1	97,700	ton CO2/TJ	0,0246	TJ/ton	100,0%
				M1	Petroleumcoke	77 420	3b	3	3	1	95,600	ton CO2/TJ	0,0300	TJ/ton	100,0%
					Processed fuel	37 995	3b	3	3	1	83,400	ton CO2/TJ	0,0240	TJ/ton	100,0%
					Rubber	32 200	3b	3	3	1	86,000	ton CO2/TJ	0,0290	TJ/ton	100,0%
					cement production	995 299	2b	2		1	0,520	ton CO2/ton			100,0%
SSAB EMEA AB Lule�															
SE- 25-563-017244-2004	SE-495	F2 Tackj�rn/st�l	1 310 697	F2	coke gas	204 760	3	3	1	1	0,043	ton CO2/TJ	0,0170	TJ/ton	100,0%
					blast furnace gas in cowper	692 352	3	3	1	1	0,310	ton CO2/TJ	0,0030	TJ/m3	100,0%
					Top flame	126 230	3	3	1	1	0,300	ton CO2/TJ	0,0030	TJ/m3	100,0%
					LD gastorch	276 953	3	3	1	1	0,240	ton CO2/TJ	0,0077	TJ/m3	100,0%
					process gases	1 959 982	3	3	1	1	0,279	ton CO2/TJ	0,0034	TJ/m3	100,0%
Borealis Krackeranl�ggningen SE- 14-563-057291-2004	SE-357	E1 F�rbr�nning	649 983												

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Permit ID code	Installation ID code	Main Annex I activity ^(a)	Total annual emissions ^(b) t CO ₂	Annex I activity ^(c)	Emission source Fuel or activity type ^(d)	Related emissions ^(b) t CO ₂	Activity data Tier	Emission factor Tier	Tier chosen ^(e) Net calorific value Tier	Oxidation factor Tier	Emission factor Value	Unit ^(f) Unit ^(f)	Net calorific value Value	Unit ^(g) Unit ^(g)	Oxidation factor %
AB Fortum värme samägd med Stockholms stad, Värtaverket SE- 01-563-071855-2004	SE-45	E1 Förbränning	648 462		Bränngas	105 294	4a	3		1	2,596	ton CO2/ton			100,0%
					Bränngas	521 190	4a	3		1	2,432	ton CO2/ton			100,0%
					coal	571 632	3a	3	3	3	92,450	ton CO2/TJ	0,0264	TJ/ton	98%
					EO1	44 801	1a	2a	1	1	74,300	ton CO2/TJ	0,0358	TJ/m3	100%

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	Installation				Emission source				Tier chosen ^(e)				Values		
Permit ID code	Installation ID code	Main Annex I activity ^(a)	Total annual emissions ^(b) t CO ₂	Annex I activity ^(c)	Fuel or activity type ^(d)	Related emissions ^(b) t CO ₂	Activity data Tier	Emission factor Tier	Net calorific value Tier	Oxidation factor Tier	Emission factor Value	Unit ^(f) Unit	Net calorific value Value	Unit ^(g) Unit	Oxidation factor %

^(a) The same installation can carry out activities falling under different subheadings. The main Annex I activity should be indicated. Please use the codes for Annex I activities listed in the table to question 3.3.

^(b) Verified emissions if available, otherwise emissions as reported by the operator.

^(c) The same installation can carry out activities falling under different subheadings. For each fuel or activity type the Annex I activity should be indicated. Please use the codes for Annex I activities listed in Table 1.

^(d) Hard coal, natural gas, steel, lime, etc. Please use a separate line for each fuel or activity if more than one fuel or activity is carried out in the same installation.

^(e) Only to be filled out if emissions are calculated.

^(f) kg CO₂/kWh, t CO₂/kg, etc.

^(g) kJ/kg, kJ/m³, etc.