

Sweden

The Environmental Code came into force on 1 Jan 1999, replacing fifteen previous environmental acts which were amalgamated into the Code. The Environmental Code contains environmental quality standards, which are a new feature in Swedish environmental legislation. The code provides the legal basis of Swedish environmental policy. Swedish environmental legislation is also affected by EU environmental provisions and various international treaties. Sweden has transposed the EU Directive 2001/80/EC into its Regulations on air emissions of sulphur dioxide, nitrogen oxides and dust from combustion plants with a thermal input of 50 MWth or more (NFS No. 26, 29/10/2002), which entered into force on 27 Nov 2002.

Emission limit values for particulate matter from combustion plants fuelled with solid fuel

plant type	plant size, MWth	emission limit value, mg/m ³
existing plant	< 500	100
	≥ 500	50
new plant	≥ 50 to ≤ 100	50
	> 100	30

Emission limit values for sulphur dioxide (SO₂) from combustion plants fuelled with coal

plant type	plant size, MWth ^a	emission limit value, mg/m ³
existing plant	50 to 350	^b
	> 350 to 500	1000 – 400 (linear decrease)
	> 500	400
new plant	50 to 100	850
	> 100 to 300	200
	> 300	200

^a. MWth for continuous thermal input.

^b. According to the § 1 b of Regulation (1998:946) on fuel containing sulphur, it is not allowed to burn fuel that contains sulphur, should the combustion result in sulphur being emitted to the air in a quantity of more than 0.19 grams of sulphur per Megajoule of fuel.

Emission limit values for nitrogen oxides (as NO₂) from combustion plants fuelled with coal

plant type	plant size, MWth	emission limit value, mg/m ³
existing plant	50 to 500	600
	> 500	500 (until 31 Dec 2015) 200 (from 1 Jan 2016)
new plant	50 to 100	400
	> 100 to 300	200
	> 300	200

- Note: 1. 'Existing plant' refers to combustion plants for which the application for permit was made before 27 Nov 2002 with operation began no later than 27 Nov 2003.
2. 'New plant' refers to combustion plants having an application for permit submitted after 27 Nov 2002, or those began or shall start operation after 27 Nov 2003.
3. Emissions limit values are expressed at 0 °C, 101.3 kPa and dry flue gas basis with 6% of oxygen in the flue gas.