



No. 157
GOVERNMENT DECISION ON
GUIDELINES TO RESTRICT THE
PARTICULATE EMISSIONS OF POWER
PLANTS AND BOILERS

February 12, 1987

Section 1

Emission guide values

With the aim of preventing air pollution, the guideline is that particulate emissions from the boilers of new power and boiler plants with a fuel capacity (P) of over 1 but not more than 50 megawatts (MW), expressed in milligrams per megajoule (mg/MJ), must not exceed the following values:

Primary fuel	boiler's fuel capacity MW	particulate emission maximum mg/MJ
Domestic fuels	1 < P < 5	200 calculated using formula 85-4/3(P-5)
	5 ≤ P ≤ 50	
Coal	1 < P < 5	150 calculated using formula 60-7/9(P-5)
	5 ≤ P ≤ 50	
Oil	1 < P < 3	90
	3 ≤ P < 5	60
	5 ≤ P ≤ 50	40

The emission guide value for bottom-burning boilers with a fuel capacity of a minimum of 5 but below 10 MW is, however, 200 mg/MJ when domestic fuel is used and 150 mg/MJ when they are fired with coal.

Section 2

Target

The emission guide values referred to in section 1 shall be applied as target values for long-range advancement of air pollution control in the case of boilers with a fuel capacity of over 5 MW which have gone on stream, or in the case of which significant measures have been taken to go on stream, before the entry into force of this Decision, at least if there is reason to expect that the particulate emissions of the boiler exceed the following values:



Primary fuel	Boiler's fuel capacity MW	Particulate emission maximum mg/MJ
Domestic fuels or coal	5<P<10	300
	10≤P<30	120
	30≤P≤50	60
Oil	5<P<10	120
	10≤P≤50	75

When issuing the special regulations referred to in section 15 of the Air Pollution Control Act to restrict particulate emissions, provincial governments shall take into account the remaining useful life of the boiler and the manner in which the boiler is used as a basic, peak or reserve production plant.

Section 3 *Definitions*

For the purposes of this Decision, domestic fuel refers to peat, wood and straw in their various forms.

For the purposes of this Decision, bottom-burning refers to such methods of burning in which a considerable proportion of the ashes remain in the boiler grate.

Section 4 *Ministry of the Environment instructions*

The Ministry of the Environment may issue instructions concerning the implementation and enforcement of this Decision.

Section 5 *Entry into force*

This Decision comes into force on March 1, 1987.