

Table 1: NO_x Performance standards (mg/m³) that can be achieved by combustion modifications

Plant type a/ Uncontrolled baseline Existing plant retrofit b/ New plant

Range Typical value

0.2
%

Solid Fuels	10 MW <u>c/</u> to 300 MW	Grate Combustion (coal) Fluidized Bed Combustion (i) stationary (ii) circulating Pulverized Coal Combustion (i) dry bottom (ii) wet bottom	300 - 1 000 300 - 600 150 - 300 700 - 1 700 1 000 - 2 300	- - 600 - 1 100 1 000 - 1 400	600 - 800 -	400 400 200 < 600 < 1 000	7 7 7 6 6	
	>300 MW	Pulverized Coal Combustion (i) dry bottom (ii) wet bottom	700 - 1 700 1 000 - 2 300	600 - 1 100 1 000 - 1 400	- -	< 600 < 1 000	6 6	
	Liquid Fuels	10 MW <u>c/</u> to 300 MW	Distillate Oil Combustion	-	-	300	-	3
		>300 MW	Residual Oil Combustion	500 - 1 400	200 - 400	400	-	3
Residual Oil Combustion			500 - 1 400	200 - 400	-	-	-	3
Gaseous Fuels	10 MW <u>c/</u> to 300 MW		150 - 1 000	100 - 300	-	< 300	3	
	>300 MW <u>c</u>		250 - 1 400	100 - 300	-	< 300	3	

a/ Capacity numbers refer to MW (thermal) heat input by fuel (lower heating value).
b/ Only approximate values can be given due to site specific factors and greater uncertainty for retrofitting of existing plant.
c/ For small (10 MW - 100 MW) plants a greater degree of uncertainty applies to all figures given.