

Emission Limits Tables

Except as provided in LAC 33:III.2202, the following tables list NO_x emission factors that shall apply to affected point sources located at affected facilities in the Baton Rouge Nonattainment Area or the Region of influence.

Table D-1A. Emission Factors for Sources in the Baton Rouge Nonattainment Area		
Category	Maximum Rated Capacity	NO _x Emission Factor ^a
Electric Power Generating System Boilers:		
Coal-fired	>= 40 to <80 MMBtu/Hour	0.50 pound/MMBtu
	>= 80 MMBtu/Hour	0.21 pound/MMBtu
Number 6 Fuel Oil-fired	>= 40 to <80 MMBtu/Hour	0.30 pound/MMBtu
	>= 80 MMBtu/Hour	0.18 pound/MMBtu
All Others (gaseous or liquid)	>= 40 to <80 MMBtu/Hour	0.20 pound/MMBtu
	>= 80 MMBtu/Hour	0.10 pound/MMBtu
Industrial Boilers	>= 40 to <80 MMBtu/Hour	0.20 pound/MMBtu
	>= 80 MMBtu/Hour	0.10 pound/MMBtu
Process Heater/Furnaces:		
Ammonia Reformers	>= 40 to <80 MMBtu/Hour	0.30 pound/MMBtu
	>= 80 MMBtu/Hour	0.23 pound/MMBtu
All Others	>= 40 to <80 MMBtu/Hour	0.18 pound/MMBtu
	>= 80 MMBtu/Hour	0.08 pound/MMBtu
Stationary Gas Turbines:		
Peaking Service, Fuel Oil-fired	>= 10 MW	0.30 pound/MMBtu
Peaking Service, Gas-fired	>= 10 MW	0.20 pound/MMBtu
All Others	>= 10 MW	0.16 pound/MMBtu ^b
Stationary Internal Combustion Engines:		
Lean-burn	>= 150 to <320 Hp	10 g/Hp-hour
	>= 320 Hp	4 g/Hp-hour
Rich-burn	>= 150 to <300 Hp	2 g/Hp-hour
	>= 300 Hp	2 g/Hp-hour

^a based on the higher heating value of the fuel.

^b equivalent to 65 ppmv (15 percent O₂, dry basis) with an F factor of 8710 dscf/MMBtu.

^c equivalent to 43 ppmv (15 percent O₂, dry basis) with an F factor of 8710 dscf/MMBtu.

Table D-1B. Emission Factors for Sources in the Region of Influence		
Category	Maximum Rated Capacity	NO _x Emission Factor ^a
All Others (gaseous or liquid)	>= 80 MMBtu/Hour	0.10 pound/MMBtu
Industrial Boilers	>= 80 MMBtu/Hour	0.10 pound/MMBtu
Process Heater/Furnaces:		
Ammonia Reformers	>= 80 MMBtu/Hour	0.23 pound/MMBtu
All Others	>= 80 MMBtu/Hour	0.08 pound/MMBtu
Stationary Gas Turbines:		
Peaking Service, Fuel Oil-fired	>= 10 MW	0.30 pound/MMBtu
Peaking Service, Gas-fired	>= 10 MW	0.20 pound/MMBtu
All Others	>= 10 MW	0.16 pound/MMBtu ^b
Stationary Internal Combustion Engines:		
Lean-burn	>= 1500 Hp	4g/Hp-hour
Rich-burn	>= 300 Hp	2g/Hp-hour

^a all factors are based on the higher heating value of the fuel.

^b equivalent to 43 ppmv (15 percent O₂, dry basis) with an F factor of 8710 dscf/MMBtu.

Source:

<http://www.deq.louisiana.gov/planning/regs/title33/33v03.pdf>

Table D-1B. Emission Factors for Sources in the Region of Influence		
Category	Maximum Rated Capacity	NO _x Emission Factor ^a
Electric Power Generating System Boilers:		
Coal-fired	>= 80 MMBtu/Hour	0.21 pound/MMBtu
Number 6 Fuel Oil-fired	>= 80 MMBtu/Hour	0.18 pound/MMBtu