

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 17294

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
1-1	170 MWe FBC Stack	PM	47.1	207.0
		PM ₁₀ **	47.1	207.0
		VOC***	1.4	6.2
		NO _x	935.0	4098.0
		SO ₂ ****	1200.0	3961.0
		CO	101.0	441.0
		H ₂ SO ₄	9.3	20.5
		Hg	0.3	1.3
		Ni	1.0	3.1
1-5	Standby Generator	PM	0.72	0.45
		PM ₁₀	0.72	0.45
		NO _x	4.42	2.76
		SO ₂	0.33	0.21
		CO	0.53	0.33
1-6	Limestone Roller Mill 1 East	PM	0.096	1.40
		PM ₁₀	0.096	1.40
1-7	Limestone Roller Mill 2 West	PM	0.096	1.40
		PM ₁₀	0.096	1.40
1-8	Tripper Deck	PM	0.04	0.20
		PM ₁₀	0.04	0.20
1-9	Hydrated Lime Storage Silo Vent	PM	0.007	0.10
		PM ₁₀	0.007	0.10
1-10	Quick Lime Storage Silo Vent	PM	0.007	0.033
		PM ₁₀	0.007	0.033

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

1-11	Raw Limestone Product	PM	0.03	0.60
	Silo East Baghouse Stack	PM ₁₀	0.03	0.60
1-12	Raw Limestone Product	PM	0.03	0.60
	Silo West Baghouse Stack	PM ₁₀	0.03	0.60
1-13	Finish Limestone Product	PM	0.002	0.38
	Silo East Baghouse Stack	PM ₁₀	0.002	0.38
1-14	Finish Limestone Product	PM	0.002	0.38
	Silo West Baghouse Stack	PM ₁₀	0.002	0.38
1-15	Sand Product Silo East	PM	0.007	1.00
	Baghouse Stack	PM ₁₀	0.007	1.00
1-16	Sand Product Silo West	PM	0.007	1.00
	Baghouse Stack	PM ₁₀	0.007	1.00

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- CO - carbon monoxide
- H₂SO₄ - sulfuric acid mist
- Hg - total mercury emissions
- Ni - total nickel emissions

* For Emission Point Nos. 1-1, 1-13, and 1-14, emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

All other emission points are operated on an as needed basis, but not to exceed their annual emissions limits.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- ** PM₁₀ emission rate is for front-half of sampling train only for Emission Point No. 1-1.
- *** Hourly VOC emissions from the fluidized bed combustor may vary by two orders of magnitude.
- **** Hourly SO₂ limit is based on a rolling three-hour average.

Dated April 8, 2009