

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

17295

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
2-1	150 MWe FBC Stack	PM**	47.1	207
		VOC***	1.4	6.2
		NOx	935	4098
		SO2	904	3961
		CO	101	441
		H2SO4	9.3	20.5
		Hg	0.3	1.3
		Ni	1.0	3.1
2-2	Fly Ash Silo Vent	PM	0.21	0.23
2-3	Fly Ash Handling System	PM	0.54	2.37
2-4	Bottom Ash Bin Vent	PM	0.14	0.20
2-5	Standby Generator	PM	0.72	0.45
		NOx	4.42	2.76
		SO2	0.33	0.21
		CO	0.53	0.33
2-6	Limestone Day Bin 1	PM	1.29	1.40
2-7	Limestone Day Bin 2	PM	1.29	1.40
2-8	Tripper Deck	PM	0.51	0.20
2-9	Na2CO3 Silo Vent	PM	0.26	0.10

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2-10	CaO Silo Vent	PM	0.26	0.033
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- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) PM - particulate matter
VOC - volatile organic compounds as defined in General Rule 101.1
NOx - total oxides of nitrogen
SO2 - sulfur dioxide
CO - carbon monoxide
H2SO4 - sulfuric acid mist
Hg - total mercury emissions
Ni - total nickel emissions

* 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

** PM emission rate is for front-half of sampling train only for Emission Point No. 2-1.

*** Hourly VOC emissions from the fluidized bed combustor may vary by two orders of magnitude.

Revised_____