

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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)	Emission Rates *	
			lb/hr	TPY
2-1	150 MWe FBC Stack	TSP	47.1	203.0
		PM**	47.1	203.0
		VOC***	1.4	6.2
		NO _x	935.0	4098.0
		SO ₂	904.0	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
2-2	Fly Ash Silo Vent	TSP	0.21	0.23
		PM	0.21	0.23
2-3	Fly Ash Handling System	TSP	0.54	2.37
		PM	0.54	2.37
2-4	Bottom Ash Bin Vent	TSP	0.14	0.20
		PM	0.14	0.20
2-5	Standby Generator	TSP	0.72	0.45
		PM	0.72	0.45
		NO _x	4.42	2.76
		SO ₂	0.33	0.21
		CO	0.53	0.33
2-6	Limestone Day Bin 1	TSP	1.29	1.40
		PM	1.29	1.40
2-7	Limestone Day Bin 2	TSP	1.29	1.40

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		PM	1.29	1.40
2-8	Tripper Deck	TSP	0.51	0.20
		PM	0.51	0.20
2-9	Na ₂ CO ₃ Silo Vent	TSP	0.26	0.10
		PM	0.26	0.10
2-10	CaO Silo Vent	TSP	0.26	0.033
		PM	0.26	0.033
2-11	Raw Limestone Product Silo East Baghouse Stack	TSP	0.14	0.60
		PM	0.14	0.60
2-12	Raw Limestone Product Silo West Baghouse Stack	TSP	0.14	0.60
		PM	0.14	0.60
2-13	Finish Limestone Product Silo East Baghouse Stack	TSP	0.07	0.38
		PM	0.07	0.38
2-14	Finish Limestone Product Silo West Baghouse Stack	TSP	0.07	0.38
		PM	0.07	0.38
2-15	Sand Product Silo East Baghouse Stack	TSP	0.23	1.00
		PM	0.23	1.00
1-16	Sand Product Silo West Baghouse Stack	TSP	0.23	1.00
		PM	0.23	1.00

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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
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
 - H₂SO₄ - sulfuric acid mist
 - Hg - total mercury emissions
 - Ni - total nickel emissions
 - Na₂CO₃ - sodium carbonate/anhydrous
 - TSP - total suspended particulate

- * 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.

Dated_____

