

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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)	Emission Rates	
			lb/hr	TPY
1-1	170 MWe FBC Stack	TSP	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	-----
		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	TSP	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 1.40	TSP		1.29
		PM ₁₀	1.29	1.40
1-7	Limestone Roller Mill 2 West 1.40	TSP		1.29
		PM ₁₀	1.29	1.40
1-8	Tripper Deck	TSP	0.51	0.20
		PM ₁₀	0.51	0.20
1-9	Hydrated Lime Storage	TSP	0.26	0.10

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
	Silo Vent	PM ₁₀	0.26	0.10
1-10	Quick Lime Storage	TSP	0.26	0.033
	Silo Vent	PM ₁₀	0.26	0.033

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
1-11	Raw Limestone Product Silo East Baghouse Stack	TSP	0.14	0.60
		PM ₁₀	0.14	0.14
1-12	Raw Limestone Product Silo West Baghouse Stack	TSP	0.14	0.60
		PM ₁₀	0.14	0.14
1-13	Finish Limestone Product Silo East Baghouse Stack	TSP	0.07	0.38
		PM ₁₀	0.07	0.07
1-14	Finish Limestone Product Silo West Baghouse Stack	TSP	0.07	0.38
		PM ₁₀	0.07	0.07
1-15	Sand Product Silo East Baghouse Stack	TSP	0.23	1.00
		PM ₁₀	0.23	1.00
1-16	Sand Product Silo West Baghouse Stack	TSP	0.23	1.00
		PM ₁₀	0.23	1.00

- (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) PM₁₀ - 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
 TSP - total suspended particulate

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- * For Emission Point Nos. (EPNs) 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.

- ** PM₁₀ emission rate is for front-half of sampling train only for EPN 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. EPNs 1-1 and 2-1 (Permit No. 17295) are limited to a combined maximum SO₂ emission rate of 7,922 tons per year.

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

Dated_____