

## 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	170 Mwe FBC Stack	TSP	47.1	207.0
		PM <sub>10</sub> **	47.1	207.0
		VOC***	1.4	6.2
		NO <sub>x</sub>	935.0	4098.0
		SO <sub>2</sub>	904.0	3961.0
		CO	101.0	441.0
		H <sub>2</sub> SO <sub>4</sub>	9.3	20.5
		Hg	0.3	1.3
		Ni	1.0	3.1
2-5	Standby Generator	TSP	0.72	0.45
		PM <sub>10</sub>	0.72	0.45
		NO <sub>x</sub>	4.42	2.76
		SO <sub>2</sub>	0.33	0.21
		CO	0.53	0.33
2-6	Limestone Roller Mill 1 East 1.40	TSP		1.29
		PM <sub>10</sub>	1.29	1.40
2-7	Limestone Roller Mill 2 West 1.40	TSP		1.29
		PM <sub>10</sub>	1.29	1.40
2-8	Tripper Deck	TSP	0.51	0.20
		PM <sub>10</sub>	0.51	0.20
2-9	Raw Limestone Product Silo East Baghouse Stack 0.60	TSP	0.14	0.60
		PM <sub>10</sub>		0.14
2-10	Raw Limestone Product	TSP	0.14	0.60

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
	Silo West Baghouse Stack 0.60		PM <sub>10</sub>	0.14
2-11	Finish Limestone Product TSP Silo East Baghouse Stack 0.38		0.07 PM <sub>10</sub>	0.38 0.07
2-12	Finish Limestone Product TSP Silo West Baghouse Stack 0.38		0.07 PM <sub>10</sub>	0.38 0.07
2-13	Sand Product Silo East Baghouse Stack	TSP PM <sub>10</sub>	0.23 0.23	1.00 1.00
2-14	Sand Product Silo West Baghouse Stack	TSP PM <sub>10</sub>	0.23 0.23	1.00 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) PM<sub>10</sub> - particulate matter less than 10 microns

VOC - volatile organic compounds as defined in General Rule 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 CO - carbon monoxide  
 H<sub>2</sub>SO<sub>4</sub> - sulfuric acid mist  
 Hg - total mercury emissions  
 Ni - total nickel emissions  
 TSP - total suspended particulate

\* For Emission Point Nos. 2-1, 2-11, and 2-12, emission rates are based on and the facilities are limited by the following maximum operating schedule:

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
Hrs/day <u>24</u>	Days/week <u>7</u>	Weeks/year <u>52</u>	or	
Hrs/year <u>8,760</u>				

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

\*\* PM<sub>10</sub> 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\_\_\_\_\_