

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

20043

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>	
			#/hr	TPY
2a	Coal Tank Vent	TSP	0.17	0.75
		PM10	0.17	0.75
2d	Vibrating Feeder Discharge	TSP	0.34	1.5
		PM10	0.34	1.5
2e	Conveyor Discharge	TSP	0.34	1.5
		PM10	0.34	1.5
3c	Silo Vent Dust Collector	TSP	0.34	1.5
		PM10	0.34	1.5
3d	Silo Loadout	TSP	0.34	0.34
		PM10	0.34	0.34
4a	Baghouse near Silo	TSP	0.34	1.5
		PM10	0.34	1.5
5	Coal Tank	TSP	0.17	0.75
		PM10	0.17	0.75
6	Lime Transfer	TSP	0.17	.75
		PM10	0.17	.75
7	Rotary Kiln (coal-fired)	TSP	12.0	50.0
		PM10	12.0	50.0
		SO2	14.0	56.0
		NOx	64.0	255.0
		CO	46.0	183.0
		VOC	0.43	1.9
		Formaldehyde	0.02	0.08
		Manganese	<0.01	0.02

Mercury	<0.01	0.01
Nickel	0.01	0.021
Arsenic	<0.01	0.01
Beryllium	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			#/hr	TPY
7	Rotary Kiln (coal-fired)	Cadmium	<0.01	<0.01
		Chromium	0.01	0.06
		Copper	<0.01	0.01
		Lead	<0.01	0.01
		Sulfur Acid		
		Mist	0.23	1.0
		Fluorides	0.10	0.46
7	Rotary Kiln (gas-fired)	TSP	12.0	50.0
		PM10	12.0	50.0
		SO2	0.5	2.0
		NOx	64.0	255.0
		CO	46.0	183.0
		VOC	0.15	0.60
8	Coal Unloading	TSP	0.10	0.18
		PM10	0.05	0.09
9	Stock Pile	TSP	0.57	1.20
		PM10	0.30	0.72
10	Fugitive from Road (4)	TSP	0.01	0.03
		PM10	0.01	0.03

(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) VOC - volatile organic compounds as defined in General Rule 101.1

NOx - total oxides of nitrogen

SO2 - sulfur dioxide

PM10 - particulate matter <10 microns in diameter

TSP - total suspended particulate matter including PM10

CO - carbon monoxide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* These facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year _____

Emission rates are based on a maximum hourly production rate of 23 tons of lime.

Emission rates are based on a maximum annual production rate of 182,500 tons of lime.