

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19841

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.

Emission Point No. (1)	Source Name (2)	Name (3)	AIR CONTAMINANTS DATA		
			Air Contaminant lb/hr	TPY	<u>Emission Rates *</u>
2B	Spray Dryer 1 Baghouse Stack		PM10	2.69	9.44
			VOC	0.06	0.27
			CO	0.77	3.37
			NOx	1.68	7.36
			SO2	0.23	1.01
2C	Spray Dryer 2 Multi-Vane Scrubber Stack		PM10	4.10	16.16
			VOC	0.10	0.43
			CO	1.23	5.39
			NOx	2.69	11.78
			SO2	0.37	1.62
4B-1	Dryer 1 Stack		PM10	0.01	0.02
			VOC	0.01	0.02
			CO	0.02	0.09
			NOx	0.10	0.44
			SO2	0.01	0.01
4B-2	Dryer 2 Stack		PM10	0.01	0.02
			VOC	0.01	0.02
			CO	0.02	0.09
			NOx	0.10	0.44
			SO2	0.01	0.01
4B-3	Dryer 3 Stack		PM10	0.01	0.02
			VOC	0.01	0.02
			CO	0.02	0.09
			NOx	0.10	0.44
			SO2	0.01	0.01
5/6B	Glaze Baghouse Stack		PM10	1.08	4.73
			Pb	0.0002	0.0009
7B	Kiln 1 Stack		PM10	1.97	8.63

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VOC	0.10	0.44
CO	0.12	0.53
NOx	1.27	5.56
SO2	0.08	0.35
HF	0.13	0.57
Pb	0.008	0.04

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	Emission Rates *		
				TPY		
9B	CaCO3 Silo Baghouse Stack			PM10	0.05	0.23
12B-1	Dryer 4 Stack			PM10	0.01	0.02
				VOC	0.01	0.02
				CO	0.02	0.09
				NOx	0.10	0.44
				SO2	0.01	0.01
12B-2	Dryer 5 Stack			PM10	0.01	0.02
				VOC	0.01	0.02
				CO	0.02	0.09
				NOx	0.10	0.44
				SO2	0.01	0.01
13B	Kiln 2 Stack			PM10	1.97	8.63
				VOC	0.10	0.44
				CO	0.12	0.53
				NOx	1.27	5.56
				SO2	0.08	0.35
				HF	0.13	0.57
				Pb	0.008	0.04
14B	Kiln 3 Stack			PM10	3.15	13.81
				VOC	0.16	0.70
				CO	0.19	0.85
				NOx	2.03	8.90
				SO2	0.13	0.56
				HF	0.34	1.48

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		Pb	0.01	0.05
14A	Kiln 3 Cooler Stack	PM10	0.26	1.14
		HF	0.02	0.09
		Pb	0.0008	0.003
15B	Dryer 6 Stack	PM10	0.01	0.02
		VOC	0.01	0.02
		CO	0.02	0.09
		NOx	0.10	0.44
		SO2	0.01	0.01

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u> TPY	
1C	Batching/Milling/Silos Baghouse Stack	PM10		6.06	26.56
3C	Press 1-8/Glaze 4-8 Baghouse Stack	PM10		8.76	38.36
		Pb		0.0003	0.001
4C-1	Dryer 7 Stack	PM10		0.01	0.02
		VOC		0.01	0.02
		CO		0.02	0.09
		NOx		0.10	0.44
		SO2		0.01	0.01
4C-2	Dryer 8 Stack	PM10		0.01	0.02
		VOC		0.01	0.02
		CO		0.02	0.09
		NOx		0.10	0.44
		SO2		0.01	0.01
5C	Kiln 4 Stack	PM10		2.20	9.64
		VOC		0.16	0.70
		CO		0.19	0.85
		NOx		2.03	8.90
		SO2		0.13	0.56
		HF		0.34	1.48

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		Pb	0.01	0.05
5A	Kiln 4 Cooler	PM10	1.20	5.26
	Stack	HF	0.02	0.09
		Pb	0.0008	0.003

(1) Emission point identification - either specific equipment designation or from plot plan. emission point number

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) PM10 - particulate matter less than 10 microns

VOC - volatile organic compounds as defined in General Rule 101.1

NOx - total oxides of nitrogen

SO2 - sulfur dioxide

CO - carbon monoxide

HF - hydrogen fluoride

Pb - lead

* Emission rates are based on and the facilities are limited by the following maximum operating schedule and production rates:

KILN 1 2,600 Kgs/hour 63,000 Kgs/day 23,000,000 Kgs/year

KILN 2 2,600 Kgs/hour 63,000 Kgs/day 23,000,000 Kgs/year

KILN 3 4,200 Kgs/hour 101,000 Kgs/day 37,000,000 Kgs/year

KILN 4 4,200 Kgs/hour 101,000 Kgs/day 37,000,000 Kgs/year

or any combination of Kilns 1 through 4 production rate that does not exceed the maximum production rates specified in Special Provision No. 1.

Dated _____