

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 25937

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)	Name (3)	Air Contaminant lb/hr	<u>Emission Rates *</u>	
				TPY	
1		Phase I Manufacturing Dust Collector Stack	PM	0.27	0.28
2	Phase I Holding Room Stack	CO	PM	0.21	0.93
			SO ₂	0.23	1.02
			0.31	1.34	
			NO _x	<0.04	<0.20
			VOC	0.12	0.51
			HF	0.19	
			HCl	0.01	0.04
3	Phase I Holding Room Stack	CO	PM	0.21	0.93
			SO ₂	0.23	1.02
			0.31	1.34	
			NO _x	<0.04	<0.20
			VOC	0.12	0.51
			HF	0.19	
			HCl	0.01	0.04
4	Phase I Holding Room Stack	CO	PM	0.21	0.93
			SO ₂	0.23	1.02
			0.31	1.34	
			NO _x	<0.04	<0.20
			VOC	0.12	0.51
			HF	0.19	
			HCl	0.01	0.04
5	Phase I Dryer Stack	CO	PM	0.53	2.33
			SO ₂	0.58	2.55
			0.76	3.35	
			NO _x	<0.10	<0.50
			VOC	0.29	1.27
			HF	0.11	
				0.48	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Name (3)	Air Contaminant lb/hr	<u>Emission Rates *</u>	
				TPY	
			HCl	0.02	0.10
6	Phase I Dryer Stack		PM	0.53	2.33
			SO ₂	0.58	2.55
	CO		0.76	3.35	
			NO _x	<0.10	<0.50
			VOC	0.29	1.27
	HF		0.11	0.48	
			HCl	0.02	0.10
7	Phase I Dryer Stack		PM	0.53	2.33
			SO ₂	0.58	2.55
	CO		0.76	3.35	
			NO _x	<0.10	<0.50
			VOC	0.29	1.27
	HF		0.11	0.48	
			HCl	0.02	0.10
8	Phase I and Phase II Kiln Stack (4)	PM	1.98	8.7	
			SO ₂	19.45	85.2
	CO		45.21	198.0	
			NO _x	3.79	16.6
			VOC	29.86	130.8
	HF		0.78	3.4	
			HCl	0.32	1.4
9	Phase I Kiln, Scrubber Bypass Stack		PM	7.40	
			SO ₂	38.90	
	CO		22.60		
			NO _x	1.89	
			VOC	14.90	
	HF		7.67		
			HCl	3.29	
10	Phase II Manufacturing		PM	0.27	0.28

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Name (3)	Air Contaminant lb/hr	<u>Emission Rates *</u>	
				TPY	
		Dust Collector Stack			
11	Phase II Holding Room Stack	CO	PM	0.21	0.93
			SO ₂	0.23	1.02
			0.31	1.34	
			NO _x	<0.04	<0.20
			VOC	0.12	0.51
			HF	0.04	0.19
			HCl	0.01	0.04
12	Phase II Holding Room Stack	CO	PM	0.21	0.93
			SO ₂	0.23	1.02
			0.31	1.34	
			NO _x	<0.04	<0.20
			VOC	0.12	0.51
			HF	0.04	0.19
			HCl	0.01	0.04
13	Phase II Holding Room Stack	CO	PM	0.21	0.93
			SO ₂	0.23	1.02
			0.31	1.34	
			NO _x	<0.04	<0.20
			VOC	0.12	0.51
			HF	0.04	0.19
			HCl	0.01	0.04
14	Phase II Dryer Stack	CO	PM	0.53	2.33
			SO ₂	0.58	2.55
			0.76	3.35	
			NO _x	<0.10	<0.50
			VOC	0.29	1.27
			HF	0.11	0.48
			HCl	0.02	0.10
15	Phase II Dryer Stack	CO	PM	0.53	2.33
			SO ₂	0.58	2.55
			0.76	3.35	

		NO _x	<0.10	<0.50
		VOC	0.29	1.27
	HF	0.11	0.48	
		HCl	0.02	0.10
16	Phase II Dryer Stack	PM	0.53	2.33
		SO ₂	0.58	2.55
	CO	0.76	3.35	
		NO _x	<0.10	<0.50
		VOC	0.29	1.27
	HF	0.11	0.48	
		HCl	0.02	0.10
17	Phase II Kiln, Scrubber	PM	7.40	
	Bypass Stack	SO ₂	38.90	
	CO	22.60		
		NO _x	1.79	
		VOC	14.90	
	HF	7.67		
		HCl	3.29	

- (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
SO₂ - sulfur dioxide
CO - carbon monoxide
NO_x - oxides of nitrogen
VOC - volatile organic compounds
HF - hydrogen fluoride
HCl - hydrogen chloride
- (4) These maximum allowable emission rates are valid for the simultaneous operation of both kilns. When only one of the two kilns is operating, the maximum allowable emission rates for this emission point are equal to one-half of the listed values.

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

Manufacturing:

Not to exceed 2,080 hrs/yr

Holding, Drying, and Burning:

Hrs/day 24 Days/week 7 Weeks/year 52 or 8,760 hrs/yr

Phase I:	<u>164,384</u>	Brick Equivalents per day, average
	<u>60,000,000</u>	Brick Equivalents per year
Phase II:	<u>164,384</u>	Brick Equivalents per day, average
	<u>60,000,000</u>	Brick Equivalents per year

Dated _____