

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 44480

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**
4	Stedman Crusher Clay Dump (4)	PM	0.03	<0.01
		PM ₁₀	0.01	<0.01
5	Stedman Crusher (4)	PM	0.40	0.24
		PM ₁₀	0.05	0.09
7a and 7b	Stedman Conveyor to Drop Point (4)	PM (all)	0.06	0.02
		PM ₁₀ (all)	0.02	<0.01
1***	Eagle Crusher Clay Dump (4)	PM	0.02	<0.01
		PM ₁₀	<0.01	<0.01
2***	Eagle Crusher (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
3, 3a, 7c, and 7d***	Eagle Conveyor to Drop Point (4)	PM (all)	0.07	0.03
		PM ₁₀ (all)	0.03	0.01
6***	Calciner Conveyor Drop Point (4)	PM	<0.01	<0.01
		PM ₁₀	0.01	0.01
8***	Calciner Wet Scrubber	PM ₁₀	1.49	5.00
		NO _x	1.94	6.5
		SO ₂	1.91	6.40
		CO	0.67	2.2
		HF	0.03	0.10
		HCl	0.03	0.10
9***	Calciner Screen (4)	PM	0.42	0.28
		PM ₁₀	0.04	0.03

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY**
10***	Conveyor Drop To Calciner (4)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
11***	Calciner Outlet Drop (4)	PM	7.50	4.91
		PM ₁₀	0.75	0.49
12***	Jaw Crusher (4)	PM	0.04	<0.01
		PM ₁₀	<0.01	<0.01
12a***	Jaw Crusher	PM	1.75	<0.01
	Conveyor Drop Point (4)	PM ₁₀	0.07	<0.01
13***	Ground Clay Storage (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
13a-13f***	Ground Clay Drop Points	PM (all)	0.04	0.04
		PM ₁₀ (all)	0.02	0.02
17a and 17b***	Shape Manufacturing	PM (all)	<0.01	<0.01
	Drop Point (4)	PM ₁₀ (all)	<0.01	<0.01
18***	Raw Clay Storage (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
19***	Symphony/Reprocess (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
20***	Sand Dryer (4)	PM	4.4	0.26
		PM ₁₀	9.50	0.57
		NO _x	0.03	<0.01
		SO ₂	0.67	0.04
		VOC	0.03	<0.01
		CO	0.34	0.02

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
21***	Kiln No. 1 Stack	PM	9.39	41.12
		PM ₁₀	8.51	37.27
		NO _x	3.42	14.99
		SO ₂	6.55	28.70
		VOC	0.23	1.03
		CO	11.74	51.40
		HF	3.62	15.85
		HCl	1.66	7.28
22***	Kiln No. 2	PM	9.39	41.12
		PM ₁₀	8.51	37.27
		NO _x	3.42	14.99
		SO ₂	6.55	28.70
		VOC	0.23	1.03
		CO	11.74	51.40
		HF	3.62	15.85
		HCl	1.66	7.28
23***	Kiln No. 2	PM	9.39	41.12
		PM ₁₀	8.51	37.27
		NO _x	3.42	14.99
		SO ₂	6.55	28.70
		VOC	0.23	1.03
		CO	11.74	51.40
		HF	3.62	15.85
		HCl	1.66	7.28
24***	Kiln Car Repair Mixer	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
25***	Dryer No. 1 Stack	PM ₁₀	0.61	2.67
		NO _x	0.32	1.40
		CO	1.01	4.43

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
		HF	<0.01	0.02
		HCl	<0.01	<0.01
26***	Dryer No. 2 Stack	PM ₁₀	0.61	2.67
		NO _x	0.32	1.40
		CO	1.01	4.43
		HF	<0.01	0.02
		HCl	<0.01	<0.01
27***	Dryer No. 3 Stack	PM ₁₀	0.61	2.67
		NO _x	0.32	1.40
		CO	1.01	4.43
		HF	<0.01	0.02
		HCl	<0.01	<0.01
28***	Dryer No. 4 Stack	PM ₁₀	0.61	2.67
		NO _x	0.32	1.40
		CO	1.01	4.43
		HF	<0.01	0.02
		HCl	<0.01	<0.01
29***	Dryer No. 5 Stack	PM ₁₀	0.61	2.67
		NO _x	0.32	1.40
		CO	1.01	4.43
		HF	<0.01	0.02
		HCl	<0.01	<0.01
30***	Dryer No. 6 Stack	PM ₁₀	0.61	2.67
		NO _x	0.32	1.40
		CO	1.01	4.43
		HF	<0.01	0.02
		HCl	<0.01	<0.01

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
31***	Dryer No. 7 Stack	PM ₁₀	0.61	2.67
		NO _x	0.32	1.40
		CO	1.01	4.43
		HF	<0.01	0.02
		HCl	<0.01	<0.01
32***	Dryer No. 8 Stack	PM ₁₀	0.61	2.67
		NO _x	0.32	1.40
		CO	1.01	4.43
		HF	<0.01	0.02
		HCl	<0.01	<0.01
33***	Dryer No. 9 Stack	PM ₁₀	0.61	2.67
		NO _x	0.32	1.40
		CO	1.01	4.43
		HF	<0.01	0.02
		HCl	<0.01	<0.01
34a, 34b, and 34c***	Drop To Slurry Mixer	PM (all)	<0.01	<0.01
		PM ₁₀ (all)	<0.01	<0.01
53***	Manufacturing Drop Points 16a, 16 x Baghouse Stack	PM ₁₀ (all)	1.37	6.01
54***	Shapes Manufacturing Baghouse Stack	PM ₁₀	0.57	2.48
55***	Hammermill/Screens Baghouse Stack	PM ₁₀	1.37	1.43
Stkple***	Stockpile (4)	PM	---	1.37

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY**
		PM ₁₀	---	0.68
TFC***	In-plant Vehicle Traffic (4)	PM	----	5.00
		PM ₁₀	----	3.00

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

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

(3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

CO - carbon monoxide

HCl - hydrogen chloride

HF - hydrogen fluoride

(4) Fugitive emissions are an estimate only.

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

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

Stedman Crusher Maximum Allowable Throughput: 250 tons/hour and 300,000 tons/year

** Compliance with annual emission limits is based on a rolling 12-month period.

*** These are grandfathered facilities.

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

Dated March 2, 2001