

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 48992

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**
DR-1	Plant 2 Dryer 1	NO _x	0.60	2.62
		CO	1.89	8.29
		VOC	0.18	0.80
		PM/PM ₁₀	1.14	5.00
		SO ₂	0.08	0.33
DR-2	Plant 2 Dryer 2	NO _x	0.60	2.62
		CO	1.89	8.29
		VOC	0.18	0.80
		PM/PM ₁₀	1.14	5.00
		SO ₂	0.08	0.33
DR-OLD	Plant 1 Dryer	VOC	0.30	1.32
		PM/PM ₁₀	1.86	8.23
OK-1	Plant 1 Kiln	NO _x	3.48	15.40
		CO	11.94	52.80
		VOC	1.50	6.57
		HF	6.60	23.12
		HCl	22.04	77.24
		SO ₂	61.09	214.04
		PM	9.55	42.24
		PM ₁₀	8.66	38.28
NK-1	Plant 2 Kiln DIFF	NO _x	4.33	19.25
		CO	14.73	64.64
		VOC	1.51	6.60
		HF	0.40	1.58
		HCl	0.81	2.84
		SO ₂	51.97	182.07

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		PM/PM ₁₀	5.13	22.51
NK-1BYP	Plant 2 Kiln Bypass	NO _x	4.27	0.75
		CO	14.63	2.56
		VOC	1.50	0.26
		HF	8.09	1.13
		HCl	27.01	3.79
		SO ₂	74.84	10.49
		PM	11.70	2.05
		PM ₁₀	10.61	1.86
NGSF	Consolidated Grinding and Screening (4)	PM	0.64	0.42
		PM ₁₀	0.04	0.03
CALVS	Calciner Wet Scrubber	NO _x	2.45	6.26
		CO	2.06	5.26
		VOC	0.13	0.34
		HF	0.21	0.54
		HCl	0.31	0.80
		SO ₂	6.26	16.00
		PM/ PM ₁₀	3.65	9.32
CALSNF	Calciner Screening Operations (4)	PM	0.03	0.01
		PM ₁₀	0.01	<0.01
PRECALST	Pre-Calciner Material Handling/Stockpile (4)	PM	--	0.04
		PM ₁₀	--	0.02
PSTCALST	Post-Calciner Material Handling/Stockpile (4)	PM	--	0.36
		PM ₁₀	--	0.18
CLAYSTOR	Raw Clay Material Handling/Stockpile (4)	PM	--	0.18
		PM ₁₀	--	0.09
EAGLCRSH	Raw Material Crushing Fugitives (4)	PM	0.03	0.02
		PM ₁₀	0.01	0.01
NOCO	Conveying Operations (4)	PM	0.13	0.08
		PM ₁₀	0.06	0.04
WLHS	Waste Lime Handling	PM	<0.01	<0.01

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System (4)

PM₁₀

<0.01

<0.01

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 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

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 8,760 Hrs/year and

5,110 Hrs/year for the Calciner

Maximum Allowable Production Rates:

Plant 1 Kiln	<u>9.95</u>	TPH	<u>88,000</u>	TPY	as produced brick
Plant 2 Kiln	<u>12.20</u>	TPH	<u>107,000</u>	TPY	as produced brick
Calciner	<u>10.00</u>	TPH			
Eagle Crusher	<u>150.00</u>	TPH	<u>195,000</u>	TPY	
Grinding and Screening Room	<u>150.00</u>	TPH	<u>195,000</u>	TPY	

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

Dated December 28, 2006