

## 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
OK-1	Plant 1 Kiln	PM	9.55	42.24
		PM <sub>10</sub>	8.66	38.28
		NO <sub>x</sub>	3.48	15.40
		CO	11.94	52.80
		VOC	1.50	6.57
		SO <sub>2</sub>	61.09	214.04
		HF	6.60	23.12
		HCL	22.04	77.24
NK-1	Plant 2 Kiln DIFF	PM	5.12	22.47
		PM <sub>10</sub>	5.12	22.47
		NO <sub>x</sub>	4.27	18.73
		CO	14.63	64.20
		VOC	1.50	6.57
		SO <sub>2</sub>	51.96	182.06
		HF	0.36	1.58
		HCL	0.49	1.71
DR-1	Plant 2 Dryer 1	PM/PM <sub>10</sub>	1.14	5.00
		NO <sub>x</sub>	0.60	2.62
		CO	1.89	8.29
		VOC	0.18	0.80
		SO <sub>2</sub>	0.08	0.33
DR-2	Plant 2 Dryer 2	PM/PM <sub>10</sub>	1.14	5.00
		NO <sub>x</sub>	0.60	2.62
		CO	1.89	8.29
		VOC	0.18	0.80
		SO <sub>2</sub>	0.08	0.33

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
DR-OLD	Plant 1 Dryer	PM/PM <sub>10</sub>	1.86	8.23
		VOC 0.30	1.32	
NGSF	Consolidated Grinding and Screening (4)	PM	1.92	4.14
		PM <sub>10</sub>	0.12	0.26
CALVS	Calciner Wet Scrubber	PM/PM <sub>10</sub>	3.65	9.32
		NO <sub>x</sub> 2.45	6.26	
		CO 2.06	5.26	
		VOC 0.13	0.34	
		SO <sub>2</sub> 6.26	16.00	
		HF 0.21	0.54	
		HCL 0.31	0.80	
CALSNF	Calciner Screening Operations (4)	PM	0.03	0.01
		PM <sub>10</sub>	0.01	<0.01
PRECALST	Pre-Calciner Material Handling/Stockpile (4)	PM	--	0.04
		PM <sub>10</sub>	--	0.02
PSTCALST	Post-Calciner Material Handling/Stockpile (4)	PM	--	0.36
		PM <sub>10</sub>	--	0.18
CLAYSTOR	Raw Clay Material Handling/Stockpile (4)	PM	--	0.18
		PM <sub>10</sub>	--	0.09
EAGLCRSH	Raw Material Crushing Fugitives (4)	PM	0.03	0.02
		PM <sub>10</sub>	0.01	0.01
NOCO	Conveying Operations (4)	PM	0.13	0.08
		PM <sub>10</sub> 0.06	0.04	
WLHS	Waste Lime Handling System (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01

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			lb/hr	TPY

- (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<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>.  
 PM<sub>10</sub> - 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 and should not be considered as a maximum allowable emission rate.

\* 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  
5,110 Hrs/year for the calciner

## Maximum Allowable Production Rates:

Plant 1 Kiln	<u>9.95</u>	TPH	<u>88,000</u>	TPY
Plant 2 Kiln	<u>12.20</u>	TPH	<u>107,000</u>	TPY
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