

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1360A

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	
<u>TPY</u>				
E2-2	Kiln No. 1	VOC	7.73	33.90
		NO <sub>x</sub>	500.00	2190.00
		SO <sub>2</sub> (5)	1408.00	6167.00
		PM	77.70	340.00
		CO	213.00	933.00
		HCl	9.30	38.60
E2-4	Kiln No. 2	VOC	7.73	33.90
		NO <sub>x</sub>	500.00	2190.00
		SO <sub>2</sub> (5)	1408.00	6167.00
		PM	77.70	340.00
		CO	213.00	933.00
		HCl	9.30	38.60
E2-6	Kiln No. 3	VOC	7.73	33.90
		NO <sub>x</sub>	500.00	2190.00
		SO <sub>2</sub> (5)	1408.00	6167.00
		PM	77.70	340.00
		CO	213.00	933.00
		HCl	9.30	38.60
E2-8	Kiln No. 4	VOC	7.73	33.90
		NO <sub>x</sub>	500.00	2190.00
		SO <sub>2</sub> (5)	1408.00	6167.00
		PM	77.70	340.00
		CO	213.00	933.00
		HCl	9.30	38.60

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

E6-10	Coal Crusher (4)(6)	TSP	0.020	0.0224
		PM <sub>10</sub>	0.009	0.0083

## CONTRIBUTION FROM WASTE-DERIVED FUEL AND CLINKER CLENCH WASTEWATER

E2-2, 4, 6, and 8	Combined Total Emissions Limits for Kilns No. 1-4	HCl	13.30	49.90
		HF	3.30	2.90
		As	0.006	0.026
		Ag	0.0123	0.054
		Ba	0.414	1.81
		Be	0.0061	0.0008
		Cd	0.0341	0.149
		Cr	0.227	0.53
		Hg	0.0031	0.013
		Sb	2.268	9.93
		Se	0.0121	0.053
		Pb	0.69	0.99
		Tl	0.648	2.83
		Zn	0.52	2.28
	Fugitives (4)	VOC	1.58	6.90

(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) VOC - volatile organic compounds as defined in General Rule 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - particulate matter

CO - carbon monoxide

HCl - hydrogen chloride

HF - hydrogen fluoride

As - arsenic

Ag - silver

Ba - barium

Be - beryllium

Cd - cadmium

Cr - chromium

Hg - mercury

Pb - lead

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Sb - antimony

Se - selenium

Tl - thallium

Zn - zinc

(4) Fugitive emissions are an estimate only.

(5) Kiln Stacks E2-2, 4, 6, and 8 operate under a total maximum allowable SO<sub>2</sub> emission rate from all four kilns of 3,080 lb/hr based on a three-hour rolling average.

(6) Coal crusher emission rates are based and the facility is limited to a maximum hourly coal throughput of 150 tons and an annual throughput of 280,000 tons.

\*\* PM allowable based on Regulation I allowable and stack flow rate of 150,000 acfm.

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

Hrs/day\_\_\_\_Days/week\_\_\_\_Weeks/year\_\_\_\_or Hrs/year 8,760

Dated \_\_\_\_\_