

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
E2-2	Kiln No. 1	VOC	7.73	33.90
		NOx	500.00	2190.00
		SO2 (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
		NOx	500.00	2190.00
		SO2 (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
		NOx	500.00	2190.00
		SO2 (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
		NOx	500.00	2190.00
		SO2 (5)	1408.00	6167.00
		PM	77.70	340.00
		CO	213.00	933.00

HCl

9.30

38.60

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Name (3)	lb/hr	Air Contaminant TPY	Emission Rates*
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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
 NOx - total oxides of nitrogen
 SO2 - 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
 Sb - antimony
 Se - selenium

Tl - thallium

Zn - zinc

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- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Kiln Stacks E2-2, 4, 6 and 8 operate under a total maximum allowable SO₂ emission rate from all four kilns of 3,080 lb/hr based on a three-hour rolling average.

** 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 _____