

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. S-18136

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
E009	Kilns 1 and 2 (one stack)	PM ₁₀	0.18	0.77
		SO ₂	0.21	0.91
		NO _x	1.46	6.38
		CO	0.31	1.34
		VOC	0.09	0.37
		HF	0.006	0.026
E016A, E016B, E016C, and E016D shown)	Kiln 3 (four stacks with equal 0.44 SO ₂	PM ₁₀	0.16	0.16
		emissions-total	emissions	
		0.16	0.45	
		NO _x	1.60	4.38
		CO	0.40	1.10
		VOC	0.07	0.18
		HF	0.027	0.015
E017A, E017B, E017C, and E017D shown)	Kiln 4 (four stacks with equal 0.44 SO ₂	PM ₁₀	0.16	0.16
		emissions-total	emissions	
		0.16	0.45	
		NO _x	1.60	4.38
		CO	0.40	1.10
		VOC	0.07	0.18
		HF	0.027	0.015
E098A and E098B	Kiln 5 (two stacks with equal 0.55	PM ₁₀	0.20	0.20

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
	emissions-total emissions shown)		SO ₂	0.20
0.56		NO _x	2.00	5.48
		CO	0.50	1.37
		VOC	0.08	0.23
		HF	0.035	0.019

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
E247A	Kilns 6 and 12 (one stack)	PM ₁₀	0.36	1.58
		SO ₂	0.37	1.61
		NO _x	3.60	15.77
		CO	0.90	3.94
		VOC	0.15	0.65
		HF	1.30	5.70
E100A, E100B, E100C, and E100D shown)	Kiln 7 (four stacks with equal 0.55	PM ₁₀		0.20
		emissions-total		emissions
	SO ₂	0.20	0.56	
		NO _x	2.00	5.48
		CO	0.50	1.37
		VOC	0.08	0.23
		HF	0.051	0.028
E101A, E101B, E101C, and E101D shown)	Kiln 8 (four stacks with equal 0.55	PM ₁₀		0.20
		emissions-total		emissions
	SO ₂	0.20	0.56	
		NO _x	2.00	5.48
		CO	0.50	1.37
		VOC	0.08	0.23
		HF	0.051	0.028
E159	Kiln 9	PM ₁₀	0.20	0.55
		SO ₂	0.20	0.56
		NO _x	2.00	5.48
		CO	0.50	1.37
		VOC	0.08	0.23
		HF	0.051	0.028
E202	Kiln 11	PM ₁₀	<0.01	0.01
		SO ₂	<0.01	0.01
		NO _x	0.02	0.05

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		CO	<0.01	0.01
		VOC	<0.01	<0.01
		HF	0.008	0.005
E238, E239, E240, and E241	Dryers (Exemption 106.183) (Total Emissions Shown)	PM ₁₀	0.11	0.48
		SO ₂	0.13	0.57
		NO _x	0.90	3.96
		CO	0.19	0.83
		VOC	0.05	0.23
E001, E078A, B E079, E117A E117B, E136, E198A, B, and E235A	Dryers (Exemption 106.183) (Total Emissions Shown)	PM ₁₀	0.21	0.90
		SO ₂	0.24	1.07
		NO _x	1.71	7.49
		CO	0.36	1.57
		VOC	0.10	0.43

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

SO₂ - sulfur dioxide

NO_x - total oxides of nitrogen

CO - carbon monoxide

VOC - volatile organic compounds as defined in General Rule 101.1

HF - hydrogen fluoride

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

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Emission *	Source	Air Contaminant	Emission Rates				
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY			
24	Hrs/day	7	Days/week	52	Weeks/year	or	8,760
Hrs/year							

Dated_____