

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4534

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)	<u>lb/hr</u>	<u>TPY</u>
E-2-6	Kiln Nos. 1 and 2 Combined Exhaust Stack	TSP	58.00	254.00
		PM ₁₀	58.00	254.00
		NO _x	44.40	194.48
		SO ₂	320.00	1401.60
		VOC	35.10	153.74
		CO	26.56	116.34
E-2-8	Kiln No. 3 Exhaust Stack	TSP	29.00	127.00
		PM ₁₀	29.00	127.00
		NO _x	22.20	97.24
		SO ₂	160.00	700.80
		VOC	17.55	76.87
		CO	13.28	58.17
E-2-9	Cooler No. 1 Baghouse Exhaust Stack	TSP	8.00	35.00
		PM ₁₀	8.00	35.00
E-2-10	Cooler No. 2 Baghouse Exhaust Stack	TSP	8.00	35.00
		PM ₁₀	8.00	35.00
E-2-11	Cooler No. 3 Baghouse Exhaust Stack	TSP	8.00	35.00
		PM ₁₀	8.00	35.00
E-1-10	Clay Screen (4)	TSP	8.89	19.57
		PM ₁₀	0.91	2.07
		NO _x	0.40	1.75
		CO	0.08	0.37
		VOC	0.02	0.10
		SO ₂	<0.01	0.01

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
E-1-12	Raw Material Shredder (4) 2.80	TSP		1.23
		PM ₁₀	0.11	0.20
		NO _x	0.40	1.75
		CO	0.08	0.37
		VOC	0.02	0.10
		SO ₂	<0.01	0.01
E-1-13	"New" Little Crusher (4)	TSP	0.35	0.86
		PM ₁₀	0.05	0.17
		NO _x	0.40	1.75
		CO	0.08	0.37
		VOC	0.02	0.10
		SO ₂	<0.01	0.01
E-1-17	"Old" Little Crusher (4)	TSP	0.35	0.86
		PM ₁₀	0.05	0.17
		NO _x	0.40	1.75
		CO	0.08	0.37
		VOC	0.02	0.10
		SO ₂	<0.01	0.01
E-4-1	Primary Screen (4)	TSP	3.04	6.65
		PM ₁₀	0.30	0.67
E-4-32	Finish Screen 1 Baghouse	TSP	0.32	1.39
		PM ₁₀	0.32	1.39
E-4-33	Finish Screen 2 Baghouse	TSP	0.55	2.40
		PM ₁₀	0.55	2.40
E-4-34	Finish Screen 3 Baghouse 1.20	TSP		0.27
		PM ₁₀	0.27	1.20

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			lb/hr	TPY
E-4-35	Tunnel Vent Baghouse	TSP	0.48	2.10
		PM ₁₀	0.48	2.10
E-4-36	Bin Vent Baghouse	TSP	0.04	0.19
		PM ₁₀	0.04	0.19
E-4-37	Roll Crusher Baghouse	TSP	0.13	0.56
		PM ₁₀	0.13	0.56
E-4-38	Truck Loadout Baghouse	TSP	0.06	0.26
		PM ₁₀	0.06	0.26
E-4-42	Finished Material Crusher (4)		TSP	0.03
	0.13	PM ₁₀	0.01	0.05
E-5-28	Railcar Loadout (4)	TSP	0.48	0.35
		PM ₁₀	0.23	0.17
F1	Drop Point Fugitives (4)	TSP	49.65	107.25
		PM ₁₀	23.48	50.72
F2	Stockpile Fugitives (4)	TSP	1.33	5.84
		PM ₁₀	0.63	2.76

(1) Emission point identification.

(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_x - total oxides of nitrogen

SO₂ - sulfur dioxide

TSP - total suspended particulate, including PM₁₀

PM₁₀ - particulate matter less than 10 microns in diameter

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

CO - carbon monoxide
(4) Fugitive emissions are an estimate only.

* Emission rates are based on the following parameters:

Confidential tons/hour of aggregate produced per kiln. (Information is located in the confidential file)

92.5 lbs/hour of sulfur in fuel, per kiln.

8,760 hours per year of operation.

Dated _____