

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 7163

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 * <u>Point No. (1)</u> <u>TPY</u>	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u> lb/hr	
1	Grey Cement Silo Baghouse Stack	PM ₁₀	0.0078	0.00074
2	White Cement Silo Baghouse Stack	PM ₁₀	0.0078	0.000039
3	Fly Ash Silo Baghouse Stack	PM ₁₀	0.0078	0.00013
4	Dryer Baghouse Stack	PM ₁₀	0.1544	0.1075
		SO ₂	0.0033	0.0033
		NO _x	0.542	0.542
		CO	0.114	0.114
		VOC	0.0208	0.0208
5	Cement Silo Baghouse Stack	PM ₁₀	0.0078	0.00091
6	Bagging Operation Baghouse Stack	PM ₁₀	0.0343	0.0358
F1	Boilers (4)	PM ₁₀	0.061	0.112
		SO ₂	0.003	0.0057
		NO _x	0.504	0.944
		CO	0.106	0.200
		VOC	0.019	0.036
F2	Block Operation Mixer (4)	VOC(a)	0.042	0.08

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TPY				
		VOC(b)	0.042	0.08
F3	Block Crusher (4)	TSP	0.107	0.0835
		PM ₁₀	0.0535	0.0417
F4	Material Handling (4)	TSP	1.5032	1.593
		PM ₁₀	0.7526	0.798
F5	Stockpiles (4)	TSP		1.119
		PM ₁₀		0.559

(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) TSP - total suspended particulate matter

PM₁₀ - particulate matter equal to or less than 10 microns in diameter

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

VOC(a) - ethylene glycol

VOC(b) - aliphatic petroleum distillate

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

(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 and production and throughput rates:

20 Hrs/day 6 Days/week 52 Weeks/year or 3,744 Hrs/year

Block Manufacturing: 15.5 tons/hour 58,525 tons/year

Bagging Operation: 19.2 tons/hour 40,000 tons/year

Block Crusher: 10.0 tons/hour 15,600 tons/year

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

Dated December 23, 2004