

Emission Sources - Maximum Allowable Emission Rates

Permit Number 31816

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, sources, and related activities. 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 (5) *	
			lbs/hour	TPY
1-8	Material Handling (4)	PM	1.06	0.30
		PM ₁₀	0.36	0.10
9	Dryer Stack Baghouse	PM	12.38	3.50
		PM ₁₀	8.63	2.44
		VOC (a)	12.00	3.20
		VOC (b)	525.00	21.00
		NO _x	20.63	5.83
		SO ₂	21.75	6.15
		CO	48.75	13.78
10	Lime Silo Baghouse	PM ₁₀	0.05	0.02
13	Hot Oil Heater	PM ₁₀	0.06	0.13
		VOC (a)	< 0.01	0.01
		NO _x	0.35	0.77
		SO ₂	0.75	1.63
		CO	0.02	0.05
11-12, 14-16, 19	Tanks (4)	VOC	0.03	0.13
17	Silo Filling (4)	PM	0.22	0.06
		VOC (a)	4.57	1.29
		CO	0.44	0.13
18	Truck Loadout (4)	PM	0.20	0.06
		VOC (a)	1.47	0.41
		CO	0.51	0.14
20	Engine	PM ₁₀	0.69	2.33
		VOC (a)	0.68	2.29
		NO _x	18.62	62.80

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STK	Stockpile Fugitives (4)	SO ₂	2.86	9.66
		CO	4.17	14.06
		PM	--	3.61
		PM ₁₀	--	1.72
		VOC (b)	7.56	10.50

- (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) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
VOC (a) - asphalt vapors from standard mix and/or fuel combustion vapors
VOC(b) - diesel or kerosene vapors from cold mix and fuel combustion vapors
VOC(c) - diesel fuel combustion vapors from engine only
 - (4) Fugitive emissions.
 - (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule and production rates:

24 Hrs/day 7 Days/week 52 Weeks/year or 6,745 Hrs/year

<u>Production of Mix Types</u>	<u>Tons/Hour</u>	<u>Tons/Week</u>	<u>Tons/Year</u>
Standard Hot Mix	375		200,000
Cutback Cold Mix	150	1,800	12,000

Date: March 5, 2013