

Emission Sources - Maximum Allowable Emission Rates

Permit Number 46976

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 **
33	Vacuum Pump Exhaust	PM	< 0.01	< 0.01
45	Holding Room Exhaust No. 1	PM	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		SO ₂	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
		HCl	< 0.01	< 0.01
		HF	< 0.01	< 0.01
46	Holding Room Exhaust No. 2	PM	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		SO ₂	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
		HCl	< 0.01	< 0.01
		HF	< 0.01	< 0.01
47	Dryer No. 1	PM	1.50	6.59
		NO _x	0.79	3.45
		VOC	0.24	1.06
		CO	2.49	10.93
		HCl	< 0.01	< 0.01
		HF	< 0.01	< 0.01
48	Dryer No. 2	PM	1.50	6.59
		NO _x	0.79	3.45

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		VOC	0.24	1.06
		CO	2.49	10.93
		HCl	< 0.01	< 0.01
		HF	< 0.01	< 0.01
49	Kiln No. 1	PM	1.31	5.73
		NO _x	0.91	3.99
		SO ₂	9.65	42.26
		VOC	0.71	3.10
		CO	4.50	19.71
		HCl	0.48	2.10
		HF	0.12	0.53
50	Kiln No. 2	PM	1.31	5.73
		NO _x	0.91	3.99
		SO ₂	9.65	42.26
		VOC	0.71	3.10
		CO	4.50	19.71
		HCl	0.48	2.10
		HF	0.12	0.53
51	Additive A Tank	VOC	< 0.01	< 0.01
52	Gasoline Tank	VOC	1.12	0.07
53	Underground Diesel Tank	VOC	1.32	0.01
54	Waste Oil Tank (Mobile Maintenance)	VOC	0.01	0.01
55	Waste Oil Tank (Shop)	VOC	0.01	0.01
56	Kerosene Tank	VOC	0.01	0.01
60	Grinding Building (4)	PM	0.03	0.01
		PM ₁₀	0.13	0.29
61	Manufacturing Building (4)	PM	0.02	0.07
		PM ₁₀	0.10	0.01
STK	Stockpile (4)	PM	--	5.40

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		PM ₁₀	--	2.70
63	Brick Bat Hopper (4)	PM	0.29	0.11
		PM ₁₀	0.14	0.05
64	Brick Bat Crusher (4)	PM	0.50	0.19
		PM ₁₀	0.24	0.09

- (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
HCl - hydrogen chloride
HF - hydrogen fluoride
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
- (4) Fugitive emissions are an estimate only.
- (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:

8,760 hrs/year

56,000 tons per year (tpy) fired ware per kiln

112,000 tpy fired ware total plant

** Compliance with annual emission limits is based on a rolling 12-month period.

Date: February 11, 2013