

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 79690

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
STK1 and STK 2	Core Ovens 1 and 2	PM/PM ₁₀	0.18	0.16
		NO _x	0.11	0.47
		CO	0.09	0.40
		VOC	0.01	0.03
		SO ₂	0.001	<0.01
STK3	Silos 1, 2, and 3 and Shot Blast Baghouse	PM/PM ₁₀	0.60	1.57
STK4	Tabor Cutoff Saw Baghouse	PM/PM ₁₀	0.03	0.14
FN11 and FN12	Grinding and Cleaning	PM/PM ₁₀	0.37	0.48
FN13 and FUG1	Oil/Sand Mixer, Core Machines, Water/ Sand Mixer, Mold Machines, EIFs 1, 2, and 3, Gas Furnaces 4 and 5, and Pour, Cooling, and Shakeout	PM/PM ₁₀ (4)	1.95	1.26
		NO _x	0.10	0.44
		VOC (5)	0.18	0.13
		CO	0.08	0.37
		SO ₂	<0.001	0.002
FN6, FN7, FN8, FN9, FN10, and FUG2	EIFs 6, 7 ,8, and 9, Gas Furnace 10, Ladle Heater, Resin/Sand Mixer, Core/Mold Machines, Pouring, Cooling, and Shakeout	PM/PM ₁₀ (4)	7.45	4.03
		NO _x	0.07	0.31
		SO ₂	1.51	0.60
		CO	0.06	0.26
		VOC (5)	4.58	5.08
		Phenol (6)	0.23	0.23
		Napthalene (6)	0.19	0.18
ALL	All Listed above	HAPS	2.18	1.12

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀
PM₁₀ - particulate matter 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.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
HAPS - any air contaminant (pollutant) listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) These PM/PM₁₀ emissions include HAP emissions.
- (5) These VOC emissions include HAP emissions.
- (6) Included in the VOC emission rate value.

Dated July 5, 2007