

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, 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	
			lbs/hour	TPY (4)
STK1	Core Oven 1	PM/PM ₁₀ /PM _{2.5}	0.04	0.03
		NO _x	0.02	0.09
		CO	0.02	0.08
		VOC	0.002	<0.01
		SO ₂	<0.001	<0.01
STK3	Silo 1, 2, and 3, and Shot Blast Baghouse Stack	PM/PM ₁₀	0.39	0.50
Fan No. 11 and 12, and BLDG 2 FUG	Tabor Saws, Swing Cutoff Saws, Swing Grinders, and Pedestal Grinders (5)	PM/PM ₁₀	0.28	0.46
Fan No. 6, 7, 8, 9, and 10, and BLDG1 FUG	Big Shop FINs EIF 6, 7, 8, and 9; Ladle Heater; Gas Furnace; Mold Mixer; Core Mixer; Mold Making; Pouring and Cooling (5)	PM	4.25	2.40
		PM ₁₀ /PM _{2.5}	1.70	0.76
		NO _x	0.15	0.66
		CO	0.13	0.55
		SO ₂	<0.01	0.16
		VOC (6)	5.86	2.23
		Phenol	0.39	0.16
Fan No. 13 and BLDG4FUG	Small Shop FINs Oil Sand Mixer, Core Machines, Mold Making Mixer, Mold Making Machine, EIFs 1, 2, and 3, Gas Furnaces 1 and 2, Pouring, Cooling, and Shakeout (5)	PM	1.87	0.64
		PM ₁₀ /PM _{2.5}	1.31	0.45
		NO _x	0.10	0.44
		CO	0.08	0.37
		SO ₂	<0.01	<0.01
		VOC (6)	<0.04	<0.05

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			lbs/hour	TPY (4)
Fan No. 10 and BLGD3FUG	Big Shop FINs PENB Mixer and Shakeout (5)	PM	1.93	0.74
		PM ₁₀ /PM _{2.5}	1.34	0.53
		VOC (6)	2.91	1.16
ALL	All Sources	HAPS	1.27	0.52

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
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
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) HAPs included in the VOC emissions.

Date: _____