

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 40573

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
M-1	Furnace Baghouse Stack	PM ₁₀	4.05	10.12
GS-1	Green Sand System 1 Baghouse Stack	PM ₁₀	5.31	13.26
GS-2	Green Sand System 2 Baghouse Stack	PM ₁₀	3.12	7.80
GS-3	Green Sand - New Sand Silo No. 1 Baghouse Stack	PM ₁₀	0.08	0.02
GS-4	Green Sand Bond Silo No. 1 Baghouse Stack	PM ₁₀	0.08	0.02
GS-5	Green Sand - New Sand Silo No. 2 Baghouse Stack	PM ₁₀	0.08	0.02
AS-1	Air Set System Baghouse Stack 5.14		PM ₁₀	2.06
AS-2	Air Set - New Sand Silo Baghouse Stack	PM ₁₀	0.08	0.02
AS-3	Air Set Acid Tank	TA	0.01	0.04
AS-3A	Air Set Acid Day Tank	TA	0.01	0.04
AS-4	Air Set Resin Tank	Pheno ₁ HCHO	0.01 0.20	0.01 0.01
AS-4A	Air Set Resin Day Tank	Pheno ₁	0.01	0.01

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		HCHO	0.05	0.01
C-1	Core Room Baghouse Stack	PM ₁₀	2.06	5.14
CL-1	Cleaning Room Baghouse Stack	PM ₁₀		2.14
	5.22	NO _x	1.00	1.05
		CO	0.84	0.88
		SO ₂	0.01	0.01
		VOC	0.06	0.06
F-1A	Main Building Fugitive (4)	PM	5.28	9.68
		PM ₁₀	5.28	9.68
		Phenol	1.01	2.94
		HCHO	0.11	0.30
		VOC	0.45	1.32
F-1B	Main Building Fugitive (4)	PM	5.28	9.68
		PM ₁₀	5.28	9.68
		Phenol	1.01	2.94
		HCHO	0.11	0.30
		VOC	0.45	1.32

(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 30 Texas Administrative Code Section 101.1

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 particulate matter greater than 10 microns is emitted.

HCHO - formaldehyde

TA - toluenesulfonic acid

(4) Fugitive emissions are an estimate only and should not be

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

considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

16 Hrs/day 6 Days/week 52 Weeks/year or 4,992 Hrs/year

Dated _____