

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 22459

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 *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
GBG001	A-Kiln Bagfilter Stack	PM ₁₀	0.03	0.06
GBG003	Packaging Bag Filter Stack	PM ₁₀	0.12	
		0.33 Cobalt (5)	0.004	0.001
GBG004	Blender No. 1 Bag Filter Stack	PM ₁₀	0.02	
		0.02 Cobalt (5)	0.001	0.001
GBG006	Yellow Dryer Bag Filter Stack	PM ₁₀	0.08	
		0.33 VOC 0.10 CO 1.10 NO _x 0.35 SO ₂ 0.01	0.44 4.82 1.54 0.01	
GBG007	F- Dryer Stack	PM ₁₀	0.17	0.75
		VOC 0.08 CO 0.18 NO _x 0.40 SO ₂ 0.01	0.35 0.77 1.75 0.02	
GB008	Secondary Dryer Bag Filter Stack	Deactivated		
GBG009	R-Kiln Burners Stack	PM ₁₀	0.01	0.04
		VOC 0.01 CO 0.09 NO _x 0.10 SO ₂ 0.01	0.04 0.39 0.44 0.01	

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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>
GBG010	Caustic Scrubber Stack	HCl	0.08	0.02
		VOC	<0.01	
		PM ₁₀	<0.01	
GBG011	A-Kiln Burners Stack	PM ₁₀	0.01	0.04
		VOC	0.02	0.07
		CO	0.05	0.21
		NO _x	0.18	0.79
		SO ₂	0.01	0.01
GBG012	Kiln Process Vent Stack	PM ₁₀	<0.01	<0.01
GBG014	Blender No. 2 Bag Filter Stack		PM ₁₀	0.02
	0.02	Cobalt (5)	0.001	0.001
8GBG015	Boiler No. 1 Stack	PM ₁₀	0.08	0.33
		VOC	0.06	0.24
		CO	0.78	3.38
		NO _x	0.39	1.67
		SO ₂	0.01	0.03
GBG016	Boiler No. 2 Stack	PM ₁₀	0.08	0.33
		VOC	0.06	0.24
		CO	0.78	3.38
		NO _x	0.39	1.67
		SO ₂	0.01	0.03
GBG017	Boiler No. 3 Stack	PM ₁₀	0.08	0.33
		VOC	0.06	0.24
		CO	0.78	3.38
		NO _x	0.39	1.67
		SO ₂	0.01	0.03
FBG01	Process Fugitives (4)	PM	0.46	2.00
		PM ₁₀	0.24	
		HCl	0.08	

		Cobalt (5)	0.002	0.07
FGBG02	Warehouse Fugitives (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		Cobalt (5)	<0.0001	<0.001

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- (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) PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter less than or equal to 10 microns in diameter.
Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only.
- (5) Cobalt emissions are included in the total PM₁₀ emission rates.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Dated_____