

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20688

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 *	
<u>TPY</u>				
1	Fabric Filter Exhaust	PM ₁₀	0.06	0.22
		NO _x	0.92	3.82
		SO ₂	0.01	0.02
		CO	0.09	0.37
		VOC	0.02	0.07
5A	Kiln No.1	PM ₁₀	0.10	0.10
		NO _x	1.75	1.64
		SO ₂	0.01	0.01
		CO	0.17	0.16
		VOC	0.03	0.03
5B	Kiln No. 2	PM ₁₀	0.10	0.09
		NO _x	1.75	1.64
		SO ₂	0.01	0.01
		CO	0.17	0.16
		VOC	0.03	0.03
8	Despatch Ovens Stack	NO _x	<0.03	<0.03
16	Boiler Stack	PM ₁₀	<0.02	0.01
		NO _x	0.24	0.10
		CO	<0.03	0.01
17	Hot Oil Heaters Stack	PM ₁₀	<0.05	0.13
		NO _x	0.74	2.23
		SO ₂	0.01	0.01
		CO	0.07	0.22
		VOC	0.1	0.04

FUG1

Process Fugitives (4)

PM₁₀

<0.01

<0.02

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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) PM₁₀ - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

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

Maximum annual throughput of 1,600,000 pounds of alumina and hydrate (based on calcined weight).

Dated_____