

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2101

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*
B-D-O (4)	HB-2 Flare	Al ₂ O ₃	0.25	0.09
		NO _x	0.19	0.01
		CO	0.96	0.03
		VOC	8.07	0.27
		HCl	<0.01	<0.01
C-D-1	JF-1 Flare	Al ₂ O ₃	10.08	7.55
		NO _x	4.76	7.07
		CO	24.76	35.27
		VOC	165.64	91.42
		HCl	2477.45	28.62
C-D-2	CHA Wet Flare	NO _x	2.35	1.82
		CO	11.80	8.56
		SO ₂	<0.01	<0.01
		VOC	70.56	17.13
		HCl	76.88	7.01
C-F-5A	H-201 Blow Egg	HCl	<0.01	<0.01
		PM	1.90	0.50
		PM ₁₀	0.76	0.20
C-F-5B	Exhaust Fan	HCl	<0.01	<0.01
C-F-7	H-155D Hopper	PM	3.86	1.93
C-F-9	BEM MG Hopper	PM	0.55	0.03
C-G-21	D-694 Feed Drum	VOC	3.85	0.16
		PM	<0.01	<0.01
C-GZ-0	Area C Fugitives (5)	VOC	3.19	13.98

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
C-I-3	M-225 Dry Box	PM	<0.01	<0.01
		HCl	0.04	<0.01
		VOC	0.08	<0.01
F-GZ-0	Area F Fugitives (5)	VOC	0.58	2.54

- (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) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 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
 CO - carbon monoxide
 HCl - hydrogen chloride
 Al₂O₃ - aluminum oxide
- (4) Flare permitted by Amoco on Permit No. 7278 and shared with Albemarle Corporation.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Compliance with annual emission limits is based on a rolling 12-month period.

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

_____Hrs/day ____Days/week ____Weeks/year or 8,760 Hrs/year

Dated _____