

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21140

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
1	Flare-1 (5)	VOC	4.61	1.35
		NO _x	0.33	1.43
		CO	1.78	7.79
		SO ₂	<0.01	<0.01
		HCl	0.07	0.31
15	Heater-2	VOC	0.17	0.75
		NO _x	2.06	9.02
		CO	2.66	11.65
		PM ₁₀	0.24	1.05
		SO ₂	0.02	0.09
13	Fugitives (4)	VOC	0.73	3.20
		TiCl ₄	0.31	1.35

(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

CO - carbon monoxide

PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall

be assumed that no PM greater than 10 microns in diameter is emitted.

SO₂ - sulfur dioxide

HCl - hydrogen chloride

TiCl₄ - titanium tetrachloride

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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(5) Emissions are those related to the C-600 Polypropylene Catalyst Plant and natural gas combustion only.

* 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

Date March 28, 2003