

POLYPROPYLENE (PP) EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

EMISSION CAP TABLE

Flexible Permit Number 28351

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.

EMISSION CAPS

Emission Cap	lb/hr	TPY
VOC Source Cap***	211.81	157.39
PM Source Cap	0.60	1.72
Propylene Final Source Cap	204.89	105.69
Ethylene Final Source Cap	16.90	11.64

Other Sources Not Included in the Cap:

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
PP-B100	PP Boiler B-100	VOC	0.11	0.32
		NO _x	1.99	5.79
		CO	1.67	4.86
		PM ₁₀	0.15	0.44
		SO ₂	0.06	0.17
PP-B102	PP Boiler B-102	VOC	0.26	0.92
		NO _x	4.74	16.74
		CO	3.98	14.06
		PM ₁₀	0.36	1.27
		SO ₂	0.14	0.48

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
PP-FLARE	Polypropylene Flare	NO _x	24.22	9.35
		CO	124.78	48.19
		SO ₂	0.46	0.27
		VOC (4)		51.67
		Propylene (4)		30.70
		Ethylene (4)		11.29

(1) Emission Point Identification - Either specific equipment designation or emission point number (EPN) from a plot plan.

(2) Specific Point Source Names. 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

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

(4) The VOC, ethylene, and propylene annual emissions for EPN PP-Flare also contribute to the annual limits on the VOC source Cap, Ethylene Source Cap, and Propylene Source Cap, respectively.

* 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

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

*** VOC includes all speciated volatiles as shown.

Source Caps include the following EPNs:

VOC

PP-A410

PP-L3FUG

PP-FLARE

PP-ZSK3DRY

PP-ZSK3STG

PP-CT101

PP-L3LOAD

PP-ZSK3FV

PM

PPL3FV

PP-ZSK3FV

PP-ZSK3STG

PP-L3LOAD

Dated August 2, 2010