

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19394

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**
55	Catalyst Activator Filter	PM	0.01	0.03
56	Catalyst Activator Heater	VOC	0.04	0.07
		NO _x	0.64	1.28
		SO ₂	0.01	0.01
		PM	0.05	0.10
		CO	0.54	1.08
57	Catalyst Storage Filter	PM	0.01	0.01
58	Flare	VOC	46.50	92.32
		NO _x	6.17	9.21
		CO	52.90	79.00
		SO ₂	0.46	0.25
59	Fugitives (4)	VOC	6.41	28.06
60	Cooling Tower (4)	VOC	0.50	2.21
61 and 62	1A Filter	VOC	(5)	(5)
		PM	0.028	0.125
63, 64, and 65	Fluff Filter	VOC	(5)	(5)
		PM	0.48	0.21
66, 67, and 68	Fluff Filter	VOC	(5)	(5)
		PM	0.003	0.015
69A	Pellet Classifier	VOC	(5)	(5)
69	Blender Vent	PM	0.17	0.03
		VOC	(5)	(5)
70	Fines Separator	PM	0.01	0.02
		VOC	(5)	(5)

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			lb/hr	TPY**
273	Pellet Dryer H	VOC	(5)	(5)
(5)	Purge Column to Product Loadout	VOC	4.7	10.42
AV-001	CPF Ethylene Analyzer	VOC	0.04	0.16
CHROMCPF	CPF On-line Analyzer	VOC	0.01	0.01
CHROMFLR	Flare Header On-line Analyzer	VOC	0.01	0.01

(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 an 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

CO - carbon monoxide

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 PM greater than 10 microns is emitted.

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

(5) The EPNs 61, 62, 63, 64, 65, 66, 67, 68, 69A, 70, and 273 will be subject to a group emission cap for VOC emissions instead of having emission limits for each emission point. The emission rates of 4.7 pounds per hour and 10.42 tons per year of isobutane represent the combined VOC emissions from all emission points from the purge column to product loadout.

* 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.

Dated April 19, 2010