

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9496

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**
30 and 34	LOG Flare and Elevated Flare (5)	VOC	25.29	23.62
		NO _x	3.38	3.16
		CO	27.32	25.56
37	D-4106 Catalyst Unloading	VOC	0.82	0.01
38	D-4504 Stabilizer Addition	VOC	0.08	0.01
41	Fugitives (4)	VOC	4.11	18.00
		NH ₃	0.11	0.50
98	D-885 Waste Oil Loading	VOC	1.62	0.02
100A	M-4511A Bag Filter (6)	PM ₁₀	0.57	2.38
100B	M-4511B Bag Filter (6)	PM ₁₀	0.57	2.38
101A	M-42500A Flake Bag Filter (6)	PM ₁₀	0.28	1.23
101B	M-42500B Flake Bag Filter (6)	PM ₁₀	0.28	1.23
102	Railcar Loading/VOC Residual (6) 3.50	VOC		1.46
103	D-4105 Oil and Grease Mixing	VOC	0.18	0.01
104	D-4110A Donor Storage Drum	VOC	0.09	0.01
105	D-4110B Donor Storage Drum	VOC	0.59	0.01
106	TK-4111 Donor Storage Tank	VOC	0.55	0.01
107	D-4103 TEAL Seal Pot	VOC	0.01	0.01

108	T-4501 Scrubber Wastewater	VOC	0.23	1.00
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- (1) Emission point identification - either specific equipment designation or emission point number (EPN) 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 30 Texas Administrative Code § 101.1
 CO - carbon monoxide
 NO_x - total oxides of nitrogen
 PM₁₀ - particulate matter (PM) 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.
 NH₃ - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These are the emissions attributable to HPP-4 (D-line). These flares also serve HPP-3 (C-line) which is covered in Permit Number 9423, and HPP-5 (D-line) which is covered in Permit Number 19036.
- (6) Total emissions of VOC from EPNs 100A, 100B, 101A, 101B, and 102 shall not exceed the rates shown for EPN 102 (Polymer Residual).

* 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 _____