

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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	LOG Flare (5)	VOC	25.29	
		NO <sub>x</sub>	3.18	
		CO	27.32	
34	H-3706 Elevated Flare (5)	VOC	25.29	23.62
		NO <sub>x</sub>	3.38	3.16
		CO	17.23	16.12
30 & 34	LOG Flare and Elevated Flare (5)	VOC		
		23.62		
		NO <sub>x</sub>		3.16
		CO		25.56
42	H-3702 Ground Flare (5)	Emergency Service		
37	D-4106 Catalyst Unloading	VOC	3.89	0.02
38	D-4504 Stabilizer Addition	PM <sub>10</sub>	4.07	0.03
41	Fugitives (4)	VOC	4.11	18.00
		NH <sub>3</sub>	0.66	2.89
98	D-885 Waste Oil Loading	VOC	1.62	0.02
100A	M-4511A Bag Filter	VOC	0.21	0.82
		PM <sub>10</sub>	0.57	2.38
100B	M-4511B Bag Filter	VOC	0.21	0.82
		PM <sub>10</sub>	0.57	2.38

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### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
101A	M-42500A Flake Bag Filter	VOC	0.21	0.82
		PM <sub>10</sub>	0.28	1.23
101B	M-42500B Flake Bag Filter	VOC	0.21	0.82
		PM <sub>10</sub>	0.28	1.23
102	Railcar Loading	VOC	0.33	1.28
103	D-4105 Oil and Grease Mixing	VOC	0.21	<0.01
104	D-4110A Donor Storage Drum	VOC	1.99	<0.01
105	D-4110B Donor Storage Drum	VOC	0.39	<0.01
106	TK-4111 Donor Storage Tank	VOC	0.60	<0.01
107	D-4103 TEAL Seal Pot	VOC	0.04	<0.01
108	T-4501 Scrubber Wastewater	VOC	0.23	1.00

- (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 Section 101.1  
CO - carbon monoxide  
NO<sub>x</sub> - total oxides of nitrogen  
PM<sub>10</sub> - 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.  
NH<sub>3</sub> - 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 No. 9423, and HPP-5 (D-line) which is covered in Permit No. 19036. Emission rates for EPN 34 are applied when EPN 34 is used only. Emission rates for EPN 30 and 34 are applied when EPN 30 or a combination of EPN 30 and EPN 34 are used.

\* 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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>

Dated\_\_\_\_\_