

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	23.61
		CO	27.32	25.56
		NO _x	3.18	2.98
34 Service	H-3706 Elevated Flare (5)			Emergency
42 Service	H-3702 Ground Flare (5)			Emergency
37	D-4106 Catalyst Unloading 0.02		VOC	3.89
38	D-4504 Stabilizer Addition 0.03		PM ₁₀	4.07
41	Fugitives (4)	VOC	4.11	18.00
		NH ₃	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 ₁₀	0.57	2.38
100B	M-4511B Bag Filter	VOC	0.21	0.82
		PM ₁₀	0.57	2.38

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

(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 General Rule 101.1

CO - carbon monoxide

NO_x - total oxides of nitrogen

PM₁₀ - particulate matter

NH₃ - ammonia

(4) Fugitive emissions are an estimate only and should not be

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

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 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

Dated_____