

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19036

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)	<u>Emission Rates *</u>	
			<u>lb/h</u>	<u>TPY</u>
30	LOG Flare (5)	VOC	25.29	
		NO _x	3.08	
		CO	26.45	
34	H-3706 Elevated Flare (5)	VOC	25.29	12.35
		NO _x	3.27	1.34
		CO	16.67	6.83
30 and 34	LOG Flare & Elevated Flare (5)	VOC		12.35
		NO _x		1.34
		CO		10.82
42	H-3702 Ground Flare (5)	Emergency Service		
50A, 50B	Catalyst Handling	VOC	3.89	0.02
51	Stabilizer Addition	VOC	4.06	0.02
14C	Pellet Transfer System	VOC	0.06	0.25
		PM ₁₀	0.03	0.08
131	Pellet Transfer System	VOC	0.06	0.25
		PM ₁₀	0.03	0.08
98	Waste Oil Loading	VOC	1.62	0.02
124	TEAL Seal Pot	VOC	0.04	<0.01
125	Oil and Grease Mixing	VOC	0.21	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

126	Hydraulic Oil Drum	VOC	0.04	<0.01
127	Donor Storage Drum	VOC	1.99	<0.01
128	Donor Storage Drum	VOC	0.45	<0.01
129	Donor Storage Drum	VOC	8.68	0.06
130	Scrubber Wastewater	VOC	0.07	0.31
132	Railcar Loading MP2	VOC	0.06	0.23
133	Railcar Loading MP4	VOC	0.06	0.23
134	Oil Drum	VOC	0.21	<0.01
135	Additive Surge Drum	VOC	0.10	<0.01
90	Die Cleaning	VOC	0.01	<0.01
		NO _x	0.08	0.01
		CO	0.01	<0.01
		PM ₁₀	<0.01	<0.01
52	Fugitives (4)	VOC	3.64	15.95
		NH ₃	0.11	0.49

- (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
NO_x - total oxides of nitrogen
CO - carbon monoxide
NH₃ - ammonia
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.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

emission rate.

- (5) These are the emissions attributable to HPP-5 (E-line). These flares also serve HPP-3 (C-line) which is covered in Permit No. 9423, and HPP-4 (D-line) which is covered in Permit No. 9496. 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 Hrs/year 8,760

Dated_____