

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 * <u>Point No. (1)</u>	Source <u>Name (2)</u>	Air Contaminant		<u>Emission Rates</u>	
		Name (3)	lb/hr	TPY	
30	LOG Flare (5)	VOC	25.29		
		NO _x	3.08		
		CO	26.45		
34	H-3706 Elevated Flare (5) 12.35	VOC	25.29		
		NO _x	3.27	1.34	
		CO	16.67	6.83	
30 & 34	LOG Flare & Elevated Flare (5) 12.35	VOC			
		NO _x		1.34	
		CO		10.82	
42 Service	H-3702 Ground Flare (5)			Emergency	
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	

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
125	Oil and Grease Mixing	VOC	0.21	<0.01
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 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

NO_x - total oxides of nitrogen

CO - carbon monoxide

NH₃ - ammonia

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY

PM₁₀ - particulate matter of 10 microns or less

- (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-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 & 34 are applied when EPN 30 or a combination of EPN 30 & 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 _____