

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9423

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 _x	3.18	
		CO	27.32	
34	H-3706 Elevated Flare (5)	VOC	25.29	23.62
		NO _x	3.38	3.16
		CO	17.23	16.12
30 and 34	LOG Flare and Elevated Flare (5)	VOC		
		23.62		
		NO _x		3.16
		CO		25.56
42	H-3702 Ground Flare (5)	Emergency Service		
39	D-3106 Catalyst Handling Drum	VOC	3.89	0.02
40	D-3504 Stabilizer Addition Drum	PM	4.07	0.03
15 (6)	M-522 Pellet Silo Cyclone	VOC	0.92	0.36
		PM ₁₀	0.01	0.05
15B (6)	M2542A/B Recycle Pellet Cyclones	VOC	1.84	0.72
		PM ₁₀	0.02	0.10
43 (6)	M-2522 Pellet Silo Cyclone	VOC	0.92	0.36
		PM ₁₀	0.01	0.05

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			lb/hr	TPY
118 (6)	M-571 Pellet Bulk Loading Cyclone	VOC	0.92	0.36
		PM ₁₀	0.03	0.10
55A (6)	M-500A Flake Bag Filter	VOC	0.92	0.36
		PM ₁₀	0.02	0.08
55B (6)	M-500B Flake Bag Filter	VOC	0.92	0.36
		PM ₁₀	0.02	0.08
120 (6)	M-574 Bag Filter	VOC	0.92	0.36
		PM ₁₀	0.02	0.08
122 (6)	M-2574 Bag Filter	VOC	0.92	0.36
		PM ₁₀	0.02	0.08
123 (6)	M-2572 Bag Filter	VOC	0.92	0.36
		PM ₁₀	0.02	0.08
14 (6)	D-512A/B Extruder Vents	VOC	0.38	1.68
14B (6)	D-2512A/B Extruder Vents	VOC	0.38	1.68
98	D-885 Waste Oil Loading Drum	VOC	1.62	0.02
109	D-3103 TEAL Seal Pot Drum	VOC	0.04	<0.01
110	D-3105 Oil and Grease Mixing Drum	VOC	0.21	<0.01
111	D-3107 Hydraulic Oil Drum	VOC	0.04	<0.01
112	D-3110A Donor Storage Drum	VOC	1.99	<0.01
113	D-3110B Donor Storage Drum	VOC	0.39	<0.01

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			<u>lb/hr</u>	<u>TPY</u>
114	TK-3111 Donor Storage Tank	VOC	0.60	<0.01
115	T-3501 Scrubber Wastewater	VOC	0.07	0.31
116	Railcar Loading (Flake)	VOC	0.17	0.64
119	Railcar Loading (Pellets)	VOC	0.17	0.64
35	Fugitives (4)	VOC	4.56	20.89
		NH ₃	0.66	2.89

- (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
 PM - particulate matter, suspended in the atmosphere, including PM₁₀
 PM₁₀ - particulate matter 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 - anhydrous 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-3 (C-line). These flares also serve HPP-4 (D-line) which is covered in Permit No. 9496 and HPP-5 (E-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.
- (6) Previously covered by Standard Exemption Nos. 10 and/or 27.

* 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_____