

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19546

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>	
			lb/hr	TPY **
79	Fugitives (4)	VOC	4.97	21.75
80A	D-8109 Catalyst Vent	VOC	0.25	0.01
80B	D-8114 Catalyst Vent	VOC	0.25	0.01
81	Flare (Standard)	VOC	25.00	29.33
		NO _x	6.9	7.93
		CO	35.17	40.39
		SO ₂	0.01	0.01
	Flare (Product Changeover Only)	VOC (6)	60.0	
		NO _x (6)	17.6	
		CO (6)	89.8	
		SO ₂ (6)	0.01	
	F-8503 Bag Filter	VOC	(5)	(5)
		PM ₁₀	0.09	0.38
83A	F-8820A Silo Bag Filter	VOC	(5)	(5)
		PM ₁₀	0.07	0.32
83B	F-8820B Silo Bag Filter	VOC	(5)	(5)
		PM ₁₀	0.07	0.32
84A	F-8811 Silo Bag Filter	VOC	(5)	(5)
		PM ₁₀	0.04	0.19
84B	F-8812 Silo Bag Filter	VOC	(5)	(5)
		PM ₁₀	0.04	0.19

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85	F-8813 Silo Bag Filter	VOC PM ₁₀	(5) 0.04	(5) 0.19
86	F-8850 Silo Bag Filter	VOC PM ₁₀	(5) 0.05	(5) 0.22
87	F-8555 Bag Filter	VOC PM ₁₀	(5) 0.21	(5) 0.94
88	Extruder Vent	VOC	0.01	0.01
89A	D-8805 Silo Vent	VOC PM ₁₀	(5) 0.01	(5) 0.01
89B	D-8806 Silo Vent	VOC PM ₁₀	(5) 0.01	(5) 0.01
89C	D-8807 Silo Vent	VOC PM ₁₀	(5) 0.01	(5) 0.01
91	F-8501 Bag Filter	VOC PM ₁₀	(5) 0.12	(5) 0.50
92	F-8502 Silo Bag Filter	VOC PM ₁₀	(5) 0.01	(5) 0.01
93	F-8556 Extrusion Bag Filter	VOC PM ₁₀	(5) 0.02	(5) 0.11
94	TK-8401 Steamer Scrubber	VOC	0.03	0.13
95	Catalloy Cooling Tower	VOC PM ₁₀	0.51 0.31	2.22 1.37
96	MP3 Cooling Tower	PM ₁₀	0.19	0.82
97	Railcar Loading	VOC	(5)	(5)
136	D-8106 Additive Surge	VOC	0.02	0.01

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	Drum			
137A	D-8106A Donor Storage Drum	VOC	0.06	0.01
137B	D-8106B Donor Storage Drum	VOC	0.06	0.01
138	D-8693 TEAL Pot	VOC	0.02	0.01
139	D-8108 Mineral Oil Drum	VOC	0.20	0.01
140	D-8111 and D-8111 Hydraulic Oil Surge Drum	VOC	0.07	0.01
141	D-8707 Waste Oil Loading	VOC	0.38	0.01
142	Dryer Scrubber	VOC	0.06	0.25
145	D-8107 Oil and Grease Oil Drum	VOC	0.20	0.01

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
 - (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
 - (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
 - (5) Total maximum VOC emissions from these points shall not exceed 2 pounds per hour (lbs/hr) or 2.5 tons per year.
 - (6) Emissions limited to no more than 5 hours during each product type changeover and is an extension of the lb/hr limitation only.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

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____ Hrs/day ____ Days/week ____ Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated January 5, 2010