

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 811B

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**
1	Recycle Solvent Tank	Hexane	0.02	0.08
2A	Makeup Solvent Tank	Hexane	<0.01	0.39
2B	Solvent Holdup Tank	Hexane	0.18	0.61
3	Comonomer Storage Tank	Octene	0.22	0.03
4	Comonomer Storage Tank	Octene	0.27	0.06
7	Product Blender	Hexane	33.60	29.11
9	Catalyst Preparation Area	Hexane	2.46	1.02
11	Scrap Pellet Bin	Hexane	9.72	21.02
12	Flare	VOC	92.00	36.16
		CO	80.38	39.70
		NO _x	15.78	7.79
14	Fugitives (4)	VOC	17.21	75.39
16	Adsorber Bagfilter	PM ₁₀ Desiccant	0.27	1.16
165	Additive Bagfilter	PM ₁₀ Additive	0.04	0.16
166	Bulk Alumina Bagfilter	PM ₁₀ Alumina	0.43	1.87
17	Bagfilter	PM ₁₀ Polyethylene	1.50	6.24

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19	Fuel Oil Tank	VOC	0.04	<0.01
200	Fluid Bed Dryer No. 1	Hexane	<0.01	<0.01
		PM ₁₀ Polyethylene	0.10	0.06
205	Fluid Bed Dryer No. 2	Hexane	<0.01	<0.01
		PM ₁₀ Polyethylene	0.10	0.06
210	Centrifugal Dryer No. 1	Hexane	0.11	0.21
		PM ₁₀ Polyethylene	0.29	0.33
220	Centrifugal Dryer No. 2	Hexane	0.11	0.21
		PM ₁₀ Polyethylene	0.29	0.33
230	Centrifugal Dryer No. 3	Hexane	0.17	0.32
		PM ₁₀ Polyethylene	0.43	0.50

- (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 Title 30 Texas Administrative Code § 101.1
CO - carbon monoxide
NO_x - total oxides of nitrogen
PM - particulate matter (PM), 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.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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

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

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Page 3

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			<u>lb/hr</u>	<u>TPY**</u>

Dated July 16, 2002