

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
1	Recycle Solvent Tank	Hexane	0.02	0.08
2A	Makeup Solvent Tank	Hexane	<0.01	0.45
2B	Solvent Holdup Tank	Hexane	0.19	0.67
3	Comonomer Storage Tank	Octene (5)	0.23	0.03
4	Comonomer Storage Tank	Octene	0.27	0.07
7	Product Blender	Hexane	33.60	26.87
9	Catalyst Preparation Area 0.94	Hexane		2.46
11	Scrap Pellet Bin	Hexane	11.04	22.05
12	Flare	VOC	131.50	43.01
		CO	80.38	36.64
		NO _x	15.77	7.19
14	Fugitives (4) (6)	VOC	17.38	76.13
14	Fugitives (4) (7)	VOC	17.21	75.39
16	Adsorber Bagfilter	PM ₁₀ Desiccant	0.26	1.16
17	Bagfilter	PM ₁₀ Polyethylene	1.50	6.26

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
19	Fuel Oil Tank	VOC	0.04	<0.01
200	Fluid Bed Dryer No. 1	Hexane	<0.01	<0.01
		PM Polyethylene	0.05	0.06
205	Fluid Bed Dryer No. 2	Hexane	<0.01	<0.01
		PM Polyethylene	0.05	0.06
210	Centrifugal Dryer No. 1	Hexane	0.11	0.21
		PM Polyethylene	0.29	0.31
220	Centrifugal Dryer No. 2	Hexane	0.11	0.21
		PM Polyethylene	0.29	0.31
230	Centrifugal Dryer No. 3	Hexane	0.17	0.32
		PM Polyethylene	0.43	0.46

(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

CO - carbon monoxide

NO_x - total oxides of nitrogen

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.

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Effective upon start-up of the plant expansion. This tank is currently storing toluene under exemption. This tank will continue to store toluene until the start-up of the plant expansion. The allowable emission rates for this EPN is based on the storage of octene which the

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tank will store upon start-up of the plant expansion.

(6) Effective until start-up of the plant expansion. These emission rates are based on the 28M LDAR program. The 28M LDAR program is required until start-up of the plant expansion.

(7) Effective upon start-up of the plant expansion.

* 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

Dated _____