

# 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	VOC	0.23	0.20
2A	Makeup Solvent Tank	VOC	0.22	0.83
2B	Solvent Holdup Tank	VOC	84.41	6.23
3	Comonomer Storage Tank	VOC	3.23	0.07
4	Comonomer Storage Tank	VOC	1.96	0.08
7	Product Blender	VOC	33.60	29.11
9	Catalyst Preparation Area	VOC	20.83	3.65
		catalyst	0.05	0.01
11	Scrap Pellet Bin	VOC	78.75	23.89
12	Flare	VOC	112.65	45.16
		CO	110.01	79.52
		NO <sub>x</sub>	21.59	15.61
		SO <sub>2</sub>	0.14	0.30
14	Fugitives (4)	VOC	19.39	84.90
16	Adsorber Bag Filter	PM <sub>10</sub>	0.27	1.16
17	Blending Bag Filter	PM <sub>10</sub>	1.50	6.24
19	Fuel Oil Tank	VOC	0.04	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			lb/hr	TPY**
165	Additive Bag Filter	PM <sub>10</sub>	0.04	0.16
166	Bulk Alumina Bag Filter	PM <sub>10</sub>	0.43	1.87
167	Hopper Car Unloading Bag Filter	PM <sub>10</sub>	0.10	0.42
200	Fluid Bed Dryer No. 1	VOC	1.23	
		PM <sub>10</sub>	0.10	
205	Fluid Bed Dryer No. 2	VOC	1.23	
		PM <sub>10</sub>	0.10	
200 and 205	Fluid Bed Dryer Nos. 1 and 2 (5)	VOC		2.78
		PM <sub>10</sub>	0.12	
210	Centrifugal Dryer No. 1	VOC	1.88	
		PM <sub>10</sub>	0.29	
220	Centrifugal Dryer No. 2	VOC	1.88	
		PM <sub>10</sub>	0.29	
230	Centrifugal Dryer No. 3	VOC	2.81	
		PM <sub>10</sub>	0.43	
210, 220, and 230	Centrifugal Dryer Nos. 1, 2, and 3 (5)	VOC		3.86
		PM <sub>10</sub>		1.16
300A and B	Stormwater Tanks	VOC	0.01	0.01
305	Raw Materials Unloading Lines	VOC	0.05	0.01
310	CMC Wax Lights and Loading Lines	VOC	0.08	0.01
330	Additive Hopper	VOC	0.02	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			lb/hr	TPY**
340	Emergency Generator	VOC	0.02	0.11
		NO <sub>x</sub>	0.30	1.31
		CO	0.06	0.28
		SO <sub>2</sub>	0.02	0.09
350	Extruder Seal Vent & Conveying Water Sump	VOC	0.20	0.84
360	Seal Oil Totes	VOC	0.01	0.01
370	Field GCs	VOC	0.01	0.02
380	Additive Tote	VOC	0.06	0.01
390	Chem Station Totes	VOC	0.01	0.01
400A	Diesel Bulk Tank - Generator	VOC	0.20	0.01
400B	Diesel Bulk Tank - Trailer Pad	VOC	0.20	0.01
400C	Gasoline Bulk Tank - Trailer Pad	VOC	7.91	0.19

- (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<sub>x</sub> - total oxides of nitrogen  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
PM<sub>10</sub> - 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.

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- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The combined tons per year VOC and PM<sub>10</sub> emissions shall not exceed the values listed.

\* 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.

Dated December 8, 2005