

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2482B

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**
CBBB	Process Blowdown	VOC	11.82	4.60
CBSILOS	Polyethylene Powder Pellet Losses	VOC	2.80	5.02
EB-1402	Flare Stack (5)	CO	777.67	9.14
		NO <sub>x</sub>	107.67	1.26
		SO <sub>2</sub>	0.05	0.22
		VOC	2021.65	19.60
	Flare Stack (6)	CO		27.42
		NO <sub>x</sub>		3.80
		SO <sub>2</sub>		0.01
		VOC		59.70
	Fluid Bed Dryer Vent 1	VOC	37.60	164.69
		PM	1.67	7.31
		PM <sub>10</sub>	0.39	1.71
EC-402-2	Fluid Bed Dryer Vent 2	VOC	38.39	168.15
		PM	1.67	7.31
		PM <sub>10</sub>	0.39	1.71
EC-502-1	Pellet Spin Dryer 1	PM <sub>10</sub>	0.01	0.02
EC-502-2	Pellet Spin Dryer 2	PM <sub>10</sub>	0.01	0.02
ED-404-1	Recycle Water Separator 1	VOC	0.08	0.34
ED-404-2	Recycle Water Separator 2	VOC	0.08	0.34

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			lb/hr	TPY**
ED-2201	Gasoline Storage Tank	VOC	29.60	0.10
ED-2202	Diesel Storage Tank	VOC	0.11	0.01
EE-1001	Cooling Tower	VOC	0.50	1.84
EF-601-611	Pellet Silo Vents	PM	2.94	12.87
		PM <sub>10</sub>	0.56	2.45
EF-701	Cyclohexane Storage Tank	VOC	0.18	0.31
EF-801-A	Catalyst Activator (7,300 hours per year)	CO	0.44	1.59
		NO <sub>x</sub>	0.52	1.90
		PM <sub>10</sub>	0.04	0.14
		SO <sub>2</sub>	0.31	1.14
		VOC	0.03	0.10
EF-801-BR	Catalyst Activator (7,300 hours per year)	CO	0.44	1.59
		NO <sub>x</sub>	0.52	1.90
		PM <sub>10</sub>	0.04	0.14
		SO <sub>2</sub>	0.31	1.14
		VOC	0.03	0.10
EM-406-1	Powder Silo 1	PM	0.44	1.30
		PM <sub>10</sub>	0.11	0.31
EM-406-2	Powder Silo 2	PM	0.44	1.30
		PM <sub>10</sub>	0.11	0.31
EM-406-S	Powder Silo S	PM	0.44	1.30
		PM <sub>10</sub>	0.11	0.31

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
EM-501-1	Extruder Feed Hopper 1	PM	0.80	1.94
		PM <sub>10</sub>	0.19	0.45
EM-501-2	Extruder Feed Hopper 2	PM	0.80	1.94
		PM <sub>10</sub>	0.19	0.45
EM-613-A	Scalperator Feed Cyclone Vent A	PM	7.30	13.96
		PM <sub>10</sub>	1.71	3.27
EM-613-B	Scalperator Feed Cyclone Vent B	PM	7.30	13.96
		PM <sub>10</sub>	1.71	3.27
EM-614-A	Scalperator Fines Cyclone Vent A	PM	0.21	0.90
		PM <sub>10</sub>	0.05	0.21
EM-614-B	Scalperator Fines Cyclone Vent B	PM	0.21	0.90
		PM <sub>10</sub>	0.05	0.21
EM-802	Catalyst Activator Bagfilter Vent	VOC	41.95	8.83
		Acetone	1.54	0.20
		PM	0.07	0.14
		PM <sub>10</sub>	0.07	0.14
EM-803-A	Catalyst Charge Ejector	PM	0.08	0.01
		PM <sub>10</sub>	0.06	0.01
EM-803-B	Catalyst Charge Ejector	PM	0.08	0.01
		PM <sub>10</sub>	0.06	0.01
EP-601-624	Pellet Silo Rotary Feeder Vents	PM	0.05	0.21
		PM <sub>10</sub>	0.02	0.05

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
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EM-1501	Unit Separator	VOC	0.30	1.31
CBFUG	Process Fugitives (4)	VOC	11.37	49.82
CBCATFUG	Fugitives (4)	VOC	0.17	0.75
BL-010-1	Additive Loading Blower	PM <sub>10</sub>	0.01	0.01
BL-010-2	Additive Loading Blower	PM <sub>10</sub>	0.01	0.01
BL-009-1	Extruder Feed Chute	PM <sub>10</sub>	0.01	0.01
BL-009-2	Extruder Feed Chute	PM <sub>10</sub>	0.01	0.01

(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) 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.

SO<sub>2</sub> - sulfur dioxide

VOC - volatile organic compounds as defined in 30 Texas Administrative Code § 101.1

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

(5) Maximum allowable flare hourly emissions shown. Annual limit is for routine operations (does not include maintenance, start-up, and shutdown emissions).

(6) Maximum annual allowable emission rate for maintenance, start-up, and shutdown activities identified in Special Condition 14. See note (5) for hourly emission limit.

\* 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

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

Dated \_\_\_\_\_