

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**
CBBD	Process Blowdown	VOC	11.82	4.60
CBSILOS	Polyethylene Powder Pellet Losses	VOC	2.80	5.02
EB-1402	Flare Stack (5)	CO	102.36	47.38
		NO _x	14.53	7.18
		SO ₂	0.56	1.19
		VOC	250.50	80.18
	Flare Stack (6)	CO	681.50	27.42
		NO _x	94.36	3.80
		SO ₂	0.04	0.01
		VOC	1771.65	59.70
	Fluid Bed Dryer Vent 1	VOC	37.60	164.69
		PM	1.67	7.31
		PM ₁₀	0.39	1.71
EC-402-2	Fluid Bed Dryer Vent 2	VOC	38.39	168.15
		PM	1.67	7.31
		PM ₁₀	0.39	1.71
EC-502-1	Pellet Spin Dryer 1	PM ₁₀	0.01	0.02
EC-502-2	Pellet Spin Dryer 2	PM ₁₀	0.01	0.02
ED-404-1	Recycle Water Separator 1	VOC	0.08	0.34

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			lb/hr	TPY**
ED-404-2	Recycle Water Separator 2	VOC	0.08	0.34
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 ₁₀	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 _x	0.52	1.90
		PM ₁₀	0.04	0.14
		SO ₂	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 _x	0.52	1.90
		PM ₁₀	0.04	0.14
		SO ₂	0.31	1.14
		VOC	0.03	0.10
EM-406-1	Powder Silo 1	PM	0.44	1.30
		PM ₁₀	0.11	0.31
EM-406-2	Powder Silo 2	PM	0.44	1.30
		PM ₁₀	0.11	0.31

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY**
EM-406-S	Powder Silo S	PM	0.44	1.30
		PM ₁₀	0.11	0.31
EM-501-1	Extruder Feed Hopper 1	PM	0.80	1.94
		PM ₁₀	0.19	0.45
EM-501-2	Extruder Feed Hopper 2	PM	0.80	1.94
		PM ₁₀	0.19	0.45
EM-613-A	Scalperator Feed Cyclone Vent A	PM	7.30	13.96
		PM ₁₀	1.71	3.27
EM-613-B	Scalperator Feed Cyclone Vent B	PM	7.30	13.96
		PM ₁₀	1.71	3.27
EM-614-A	Scalperator Fines Cyclone Vent A	PM	0.21	0.90
		PM ₁₀	0.05	0.21
EM-614-B	Scalperator Fines Cyclone Vent B	PM	0.21	0.90
		PM ₁₀	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 ₁₀	0.07	0.14
EM-803-A	Catalyst Charge Ejector	PM	0.08	0.01
		PM ₁₀	0.06	0.01
EM-803-B	Catalyst Charge Ejector	PM	0.08	0.01
		PM ₁₀	0.06	0.01

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Emission	Source	Air Contaminant	<u>Emission Rates *</u>	
			lb/hr	TPY**

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
EP-601-624	Pellet Silo Rotary Feeder Vents	PM	0.05	0.21
		PM ₁₀	0.02	0.05
EM-1501	Unit Separator	VOC	0.30	1.31
CBFUG	Process Fugitives (4)	VOC	10.90	47.76
CBCATFUG	Fugitives (4)	VOC	0.17	0.75
BL-010-1	Additive Loading Blower	PM ₁₀	0.01	0.01
BL-010-2	Additive Loading Blower	PM ₁₀	0.01	0.01
BL-009-1	Extruder Feed Chute	PM ₁₀	0.01	0.01
BL-009-2	Extruder Feed Chute	PM ₁₀	0.01	0.01
POWLOAD	Powder Loading (Trucks)	PM	0.12	0.51
		PM ₁₀	0.02	0.10
POWLOADRC	Powder Loading (Railcar)	PM	0.16	0.70
		PM ₁₀	0.16	0.70

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- (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
SO₂ - sulfur dioxide
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 PM greater than 10 microns is emitted.
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Maximum allowable annual and hourly limits apply to routine operations.
- (6) Maximum allowable annual and hourly limits apply to maintenance, startup, and shutdown activities.

* 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 January 10, 2011