

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
CBBD	Process Blowdown	VOC	11.80	4.60
CBSILOS	Polyethylene Pellet Losses	VOC	2.80	5.02
EB-1402	Flare Emissions for routine operations	CO	105.18	47.15
		NO _x	17.06	8.15
		SO ₂	0.05	0.21
		VOC	252.71	80.21
EB-1402	Flare Emissions for Maintenance, Startup and Shutdown (MSS) activities	CO	681.77	27.45
		NO _x	96.71	5.41
		SO ₂	0.04	0.01
		VOC	1772.42	59.73
EC-402-1	Fluid Bed Dryer Vent 1	VOC	37.61	164.73
		PM	1.66	7.27
		PM ₁₀	0.39	1.71
		PM _{2.5}	0.39	1.71
EC-402-2	Fluid Bed Dryer Vent 2	VOC	38.31	168.00
		PM	1.69	7.41
		PM ₁₀	0.40	1.74
		PM _{2.5}	0.40	1.74
EC-502-1	Pellet Spin Dryer 1	PM	0.01	0.02
		PM ₁₀	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

			0.01	0.02
EC-502-2	Pellet Spin Dryer 2	PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	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
ED-2202	Diesel Fuel Storage Tank	VOC	0.11	0.01
EE-1001	Cooling Tower	VOC	0.50	1.84
		PM	0.28	1.14
		PM ₁₀	0.14	0.57
		PM _{2.5}	0.03	0.12
EF-601-611	Pellet Silo Vents	PM	2.94	12.87
		PM ₁₀	0.56	2.45
		PM _{2.5}	0.56	2.45
EF-801-A	Catalyst Activator	CO	0.51	1.86
		NO _x	0.61	2.23
		PM	0.05	0.17
		PM ₁₀	0.05	0.17
		PM _{2.5}	0.05	0.17
		SO ₂	0.34	1.28
		VOC	0.03	0.12
EF-801-BR	Catalyst Activator	CO	0.51	1.86
		NO _x	0.61	2.23
		PM	0.05	0.17
		PM ₁₀	0.05	0.17

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	0.05	0.17
		SO ₂	0.34	1.28
		VOC	0.03	0.12
EM-406-1	Powder Silo Bag Filter Line 1	PM	0.44	1.26
		PM ₁₀	0.11	0.31
		PM _{2.5}	0.11	0.31
EM-406-2	Powder Silo Bag Filter Line 2	PM	0.44	1.26
		PM ₁₀	0.11	0.31
		PM _{2.5}	0.11	0.31
EM-406-S	Powder Silo Bag Filter Line S	PM	0.44	1.26
		PM ₁₀	0.11	0.31
		PM _{2.5}	0.11	0.31
EM-501-1	Extruder Feed Hopper 1	PM	0.76	1.82
		PM ₁₀	0.19	0.45
		PM _{2.5}	0.19	0.45
EM-501-2	Extruder Feed Hopper 2	PM	0.76	1.82
		PM ₁₀	0.19	0.45
		PM _{2.5}	0.19	0.45
EM-613-A	Scalperator Feed Cyclone Vent A	PM	7.30	13.95
		PM ₁₀	1.71	3.27
		PM _{2.5}	1.71	3.27
EM-613-B	Scalperator Feed Cyclone Vent B	PM	7.30	13.95
		PM ₁₀	1.71	3.27
		PM _{2.5}	1.71	3.27
EM-614-A	Scalperator Fines Cyclone Vent A	PM	0.21	0.90

Emission Sources - Maximum Allowable Emission Rates

		PM ₁₀	0.05	0.21
		PM _{2.5}	0.05	0.21
EM-614-B	Scalperator Fines Cyclone Vent B	PM	0.21	0.90
		PM ₁₀	0.05	0.21
		PM _{2.5}	0.05	0.21
EM-802	Catalyst Activator Bag Filter Vent	VOC	41.95	8.83
		Acetone	1.54	0.20
		PM	0.07	0.14
		PM ₁₀	0.07	0.14
		PM _{2.5}	0.07	0.14
EM-803-A	Catalyst Charge Ejector	PM	0.08	0.01
		PM ₁₀	0.06	0.01
		PM _{2.5}	0.06	0.01
EM-803-B	Catalyst Charge Ejector	PM	0.08	0.01
		PM ₁₀	0.06	0.01
		PM _{2.5}	0.06	0.01
EP-601-624	Pellet Silo Rotary Feeder Vents	PM	0.05	0.21
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
EM-1501	Unit Separator	VOC	0.30	1.31
CBFUG	Process Fugitives (5)	VOC	12.24	53.62
BL-010-1	Additive Loading Blower	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
BL-010-2	Additive Loading Blower	PM	0.01	0.01

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		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
BL-009-1	Extruder Feed Chute	PM	0.05	0.12
		PM ₁₀	0.05	0.12
		PM _{2.5}	0.02	0.03
BL-009-2	Extruder Feed Chute	PM	0.05	0.12
		PM ₁₀	0.05	0.12
		PM _{2.5}	0.02	0.03
POWLOAD	Powder Loading (Trucks)	PM	0.11	0.50
		PM ₁₀	0.02	0.10
		PM _{2.5}	0.02	0.10
POWLOADRC	Powder Loading (Railcars)	PM	0.16	0.70
		PM ₁₀	0.16	0.70
		PM _{2.5}	0.16	0.70

- (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_x - total oxides of nitrogen
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
PM₁₀ - particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: April 28, 2014