

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
CBBD	Process Blowdown			C2H4	3.53	1.29
				C4H10	10.58	3.86
CBSILOS	Polyethylene Powder Pellet Losses			VOC	2.53	6.76
EB-1402	Flare Stack			CO	777.67	36.56
				NOx	107.67	5.06
				SO2	0.05	0.22
				VOC	2,021.65	79.30
EC-402-1	Fluid Bed Dryer Vent 1			C2H4	5.21	22.82
				C4H10	32.39	141.87
				PM	1.67	7.31
				PM10	0.39	1.71
EC-402-2	Fluid Bed Dryer Vent 2			C2H4	5.32	23.30
				C4H10	33.07	144.85
				PM	1.67	7.31
				PM10	0.39	1.71
EC-502-1	Spin Dryer Exhaust Blower 1			PM10	<0.01	0.02
EC-502-2	Spin Dryer Exhaust Blower 2			PM10	<0.01	0.02
ED-403-1	Recycle Water Drum Line 1			C4H10	3.96	17.34
ED-403-2	Recycle Water Drum Line 2			C4H10	3.96	17.34
ED-404-1	Recycle Water Separator			C4H10	0.08	0.34

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	Vent 1			
ED-404-2	Recycle Water Separator Vent 2	C4H10	0.08	0.34
ED-2201	Gasoline Storage Tank	VOC	29.60	0.10

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	Name (2)	Name (3)	lb/hr	TPY		
ED-2202	Diesel Storage Tank			VOC	0.11	<0.01
EE-1001	Cooling Tower (4) (5)			VOC	4.32	15.77
				VOC	0.50	1.84
EF-601-611	Pellet Silo Vents			PM	2.90	7.03
				PM10	0.68	1.65
EF-701	Cyclohexane Storage Tank			VOC	2.65	0.55
EF-801-A	Catalyst Activator (5,840 hours per year)			CO	0.11	0.29
				NOx	0.53	1.37
				PM10	0.02	0.06
				SO2	0.31	1.23
				VOC	0.04	0.10
EF-801-B	Catalyst Activator (5,840 hours per year)			CO	0.11	0.29
				NOx	0.53	1.37
				PM10	0.02	0.06
				SO2	0.31	1.23
				VOC	0.04	0.10
EM-406-1	Powder Silo Bagfilter Vent 1			PM	0.44	1.30
				PM10	0.11	0.31
EM-406-2	Powder Silo Bagfilter Vent 2			PM	0.44	1.30
				PM10	0.11	0.31
EM-406-S	Powder Silo Bagfilter Vent S			PM	0.44	1.30
				PM10	0.11	0.31
EM-501-1	Mixer Feed Hopper Filter 1			PM	0.80	1.94
				PM10	0.19	0.45
EM-501-2	Mixer Feed Hopper Filter 2			PM	0.80	1.94
				PM10	0.19	0.45
EM-613-A	Scalperator Feed Cyclone Vent A			PM	7.30	13.96
				PM10	1.71	3.27

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EM-613-B	Scalperator Feed Cyclone Vent B	PM		7.30	13.96
		PM10		1.71	3.27
EM-614-A	Scalperator Fines Cyclone Vent A	PM		0.21	0.90
		PM10	0.05	0.21	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
EM-614-B	Scalperator Fines Cyclone Vent B	PM	0.21	0.90
		PM10	0.05	0.21
EM-802	Activator Bagfilter Vent	PM	<0.01	0.02
		PM10	<0.01	0.02
EM-803-A	Catalyst Charge Ejector Vent A	PM	0.06	<0.01
		PM10	0.02	<0.01
EM-803-B	Catalyst Charge Ejector Filter B	PM	0.06	<0.01
		PM10	0.02	<0.01
EP-601-624	Pellet Silo Rotary Feeder Vents	PM	0.05	0.21
		PM10	0.02	0.05
EM-1501	Unit Separator (4)	C4H10	0.27	1.16
CBFUG	Process Fugitives (4)	C2H4	9.61	42.08
		C4H10	15.63	68.46

- (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) CO - carbon monoxide
C2H4 - ethylene
C4H10 - isobutane
NOx - total oxides of nitrogen
PM - particulate matter
PM10 - particulate matter less than 10 microns
SO2 - sulfur dioxide
VOC - volatile organic compounds as defined in General Rule 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The cooling tower shall comply with General Provision No. 9.

* 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