

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 583A

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

<u>Emission Rates *</u>	<u>Source</u>	<u>Air Contaminant</u>	<u>Emission</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
<u>HDPE Area</u>				
37	Cooling Tower (4)	VOC	1.008	4.42
39	Activator Burner	VOC	0.018	0.036
		NO _x	0.899	1.80
		SO ₂	0.004	0.008
		PM	0.006	0.01
		CO	0.225	0.45
50	Fugitives (4)	VOC	3.34	14.62
78	Dry-Flo Loading Bin	PM	0.255	0.074
79	Catalyst Fines Filter	PM	0.004	0.001
80	Catalyst Fines Filter	PM	0.004	0.001
81	Catalyst Mud Tank Filter	PM	0.0024	0.001
82	Catalyst Mud Tank Filter	PM	0.0024	0.001
83	Dry-Flo Vent Separator	PM	<0.01	<0.01
84	Dry-Flo Vent Separator	PM	<0.01	<0.01
89-94, 112-113	Storage Bin Filters	VOC	0.37	1.62

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
		PM	0.04	0.18
116, 117, 118	Receiver Dust Collector	VOC	0.029	0.13
	And Baghouse	PM	0.005	0.02
<u>LDPE Area (Reaction Lines 12 and 13 only)</u>				
INCIN-1	Process Incinerator	VOC	0.64	0.83
		NO _x	0.59	1.71
		PM	<0.01	<0.01
		CO	0.90	3.64
1	Flare	VOC	<0.01	<0.01
		NO _x	0.35	1.39
		CO	1.75	7.10
25	Tank 25	VOC	0.01	0.01
4	Cooling Tower	VOC	0.20	0.88
13CT	Cooling Tower	VOC	0.08	0.11
7	No. 2 Hot Oil Heater	VOC	0.02	0.10
		NO _x	1.12	4.90
		PM	<0.01	0.04
		CO	0.28	1.23
06	Purification Fugitives (4)	VOC	3.22	14.11
03	Reactor Fugitives (4)	VOC	1.64	7.19
F2	Compression Fugitives (4)	VOC	1.16	5.06

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72	Shaft Oven Vent	VOC	<0.01	<0.01
		NO _x	0.05	<0.01
		PM	<0.01	<0.01
		CO	0.01	0.01
8	No. 1 Hot Oil Heater	VOC	0.02	0.10
		NO _x	1.12	4.90
		PM	<0.01	0.04
		CO	0.28	1.23

- (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 General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - particulate matter
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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

Dated _____