

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY

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Permit Nos. 19200 and PSD-TX-760M5

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.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
F-370	Desorber Pellet Cyclone Train No. 1	PM	0.06	0.26
F-374	Cooling Air Outlet Filters Train No. 1	PM	0.36	1.58
F-387	Silo Air Filters Train No. 1	PM	0.38	1.65
F-470	Desorber Pellet Cyclone Train No. 2	PM	0.06	0.26
F-474	Cooling Air Outlet Filters Train No. 2	PM	0.36	1.58
F-487	Silo Air Filters Train No. 2	PM	0.38	1.65
F-570	Desorber Pellet	PM	0.06	0.26

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TPY				lb/hr
	Cyclone Train No. 3			
F-574	Cooling Air Outlet Filters Train No. 3	PM	0.36	1.58
F-587	Silo Air Filters Train No. 3	PM	0.38	1.65
F-781A	Product Silo Filter Train No. 1	PM	0.38	1.65
F-781B	Product Silo Filter Train No. 2	PM	0.38	1.65
F-781C	Product Silo Filter Train No. 3	PM	0.38	1.65
F-711A	Hopper Silo Cyclone Train No. 1	PM	0.14	0.59
F-711B	Hopper Silo Cyclone Train No. 2	PM	0.14	0.59
F-711G	Streamer Remover Bag Filter Train No. 4	PM	0.40	1.59
F-705	Auto Packer Cyclone	PM VOC	0.14 0.02	0.59 0.74
F-706A	Truck Silo Cyclone	PM VOC	0.14 0.02	0.59 0.74
F-745	Additive Dumping Bag Filter Train No. 4	PM	0.05	0.02
F-770	Desorber Pellet	PM	0.14	0.53

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				lb/hr
TPY				
	Cyclone Train No. 4			
F-787	Silo Air Filters Train No. 4	PM	0.48	1.87
F-981	Product Silo Air Cyclone Train No. 4	PM	1.01	3.98
PO-CT	Cooling Tower (5)	VOC	0.88	3.86
PP1-CT	Cooling Tower	VOC	0.44	1.93
PP1-FUG	Fugitives PP-1 Unit (4)	PM VOC	0.05 13.79	0.27
T-367	Dryer Train No. 1	PM	0.24	1.03
T-467	Dryer Train No. 2	PM	0.24	1.03
T-567	Dryer Train No. 3	PM	0.24	1.03
T-767	Dryer Train No. 4	PM	0.41	1.76
1S-404	Dryer Train No. 1	TSP	0.51	1.99
2S-404	Dryer Train No. 2	TSP	0.51	1.99
1F-405	Vent Bag Filter, Train No. 1	TSP VOC	0.12 0.55	0.48 2.43
2F-405	Vent Bag Filter, Train No. 2	TSP VOC	0.12 0.55	0.48 2.43
F-400	Vacuum Cleaner Bag Filter	TSP	0.03	0.11
1F-501	Blending Silos Bag Filter,	TSP	0.49	1.95

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			Name (3)	lb/hr
<u>TPY</u>				
	Train No. 1			
2F-501	Blending Silos Bag Filter, Train No. 2	TSP	0.49	1.95
1F-930	Product Silos Bag Filter, Train No. 1	TSP	1.22	2.43
2F-930	Product Silos Bag Filter, Train No. 2	TSP	1.22	2.43
1F-982	Elutriator Bag Filter, Train No. 1	TSP	0.98	1.95
2F-982	Elutriator Bag Filter, Train No. 2	TSP	0.98	1.95
1F-404	Additive Hopper Vent Bag Filter	TSP	0.02	0.02
F-402	Masterbatch Vent Bag Filter	TSP	0.02	0.09
F-403	Off Pellet Vent Bag Filter	TSP	0.49	0.65
		VOC	<0.01	0.02
PP2-FUG	Fugitives, PP-2 Unit (4)	VOC	6.50	28.34
PP2-CT	Cooling Tower	VOC	1.32	5.77
PP1-300	Downstream Pellet Handling PP-1, Train No. 1 (6)	VOC	2.75	12.12
PP1-400	Downstream Pellet Handling PP-1, Train No. 2 (7)	VOC	2.88	12.55

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				lb/hr
<u>TPY</u>				
PP1-500	Downstream Pellet Handling PP-1, Train No. 3 (8)	VOC	2.39	10.53
PP1-700	Downstream Pellet Handling PP-1, Train No. 4 (9)	VOC	1.06	4.56
D-407	Peroxide Drum	VOC	0.01	0.01
1F-985	Railcar Bag Filter Train No. 1	TSP	0.49	1.95
2F-985	Railcar Bag Filter Train No. 2	TSP	0.49	1.95
1018	Olefins Flare I (12)	CO	5.49	24.05
		NO _x	1.08	4.72
		SO ₂	0.01	0.04
		VOC	1.59	6.95
1067	Olefins Flare II (12)	CO	5.49	24.05
		NO _x	1.08	4.72
		SO ₂	0.01	0.04
		VOC	1.59	6.95
PP2-T1	Downstream Pellet Handling PP-2, Train No. 1 (10)	VOC	0.22	0.86
PP2-T2	Downstream Pellet Handling PP-2, Train No. 2 (11)	VOC	0.22	0.87

- (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 30 Texas Administrative Code Section 101.1
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 particulate matter greater than 10 microns is emitted.

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TSP - total suspended particulate
CO - carbon monoxide
NO_x - nitrogen oxides
SO₂ - sulfur dioxide

- (4) Fugitive emission rates are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Total emissions from the polypropylene and high density polyethylene plants.
- (6) Total VOC emissions from the following emissions points:
T-367, F-370, F-374, F-387, F-781A, and F-711A.
- (7) Total VOC emissions from the following emissions points:
T-467, F-470, F-474, F-487, F-781B, and F-711B.
- (8) Total VOC emissions from the following emissions points:
T-567, F-570, F-574, F-587, and F-781C.
- (9) Total VOC emissions from the following emissions points:
T-767, F-770, F-787, F-981, and F-711G.
- (10) Total VOC emissions from the following emissions points:
1S-404, 1F-501, 1F-930, 1F-982, and 1F-985.
- (11) Total VOC emissions from the following emissions points:
2S-404, 2F-501, 2F-930, 2F-982, and 2F-985.
- (12) Emissions contributed only from this permitted facility and source emissions can only happen from one EPN at a time.

* 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

Dated _____