

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 19200 and PSD-TX-760M4

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
F-370	Desorber Pellet Cyclone Train No. 1	Total VOC	0.206	0.881
		Propylene	0.064	0.273
		Heptane	0.056	0.238
		Octane	0.037	0.159
		Decane	0.006	0.026
		Propylene Oxide	0.043	0.185
		PM	0.06	0.26
F-374	Cooling Air Outlet Filters Train No. 1	Total VOC	0.191	0.832
		Propylene	0.059	0.258
		Heptane	0.052	0.225
		Octane	0.034	0.149
		Decane	0.006	0.025
		Propylene Oxide	0.040	0.175
		PM	0.36	1.58
F-387	Silo Air Filters Train No. 1	Total VOC	0.179	0.782
		Propylene	0.055	0.242
		Heptane	0.078	0.343
		Octane	0.034	0.149
		Decane	0.006	0.024
		Propylene Oxide	0.006	0.024
		PM	0.38	1.65
F-470	Desorber Pellet Cyclone Train No. 2	Total VOC	0.18	0.77
		Propylene	0.091	0.391
		Heptane	0.079	0.340
		Octane	0.052	0.227
		Decane	0.009	0.038

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Point No. (1)	Name (2)	Name (3) lb/hr		TPY
		Propylene Oxide	0.062	0.265
		PM	0.06	0.26
F-474	Cooling Air Outlet	Total VOC	0.300	1.300
	Filters Train No. 2	Propylene	0.093	0.403
		Heptane	0.081	0.351
		Octane	0.054	0.234
		Decane	0.009	0.039
		Propylene Oxide	0.063	0.273
		PM	0.36	1.58
F-487	Silo Air Filters	Total VOC	0.205	0.900
	Train No. 2	Propylene	0.064	0.279
		Heptane	0.090	0.396
		Octane	0.039	0.171
		Decane	0.006	0.027
		Propylene Oxide	0.006	0.027
		PM	0.38	1.65
F-570	Desorber Pellet	VOC	0.18	0.77
	Cyclone Train No. 3	PM	0.06	0.26
F-574	Cooling Air Outlet	VOC	0.07	0.32
	Filters Train No. 3	PM	0.36	1.58
F-587	Silo Air Filters	Total VOC	0.032	0.140
	Train No. 3	Propylene	0.010	0.043
		Heptane	0.014	0.062
		Octane	0.006	0.027
		Decane	0.001	0.004
		Propylene Oxide	0.001	0.004
		PM	0.38	1.65

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
F-701A	Product Silo Filter Train No. 1	Total VOC	0.058	0.252
		Propylene	0.023	0.098
		Heptane	0.005	0.023
		Propylene CH	0.001	0.003
		Propylene Oxide	0.029	0.128
		PM	0.38	1.65
F-701B	Product Silo Filter Train No. 2	Total VOC	0.084	0.362
		Propylene	0.033	0.141
		Heptane	0.008	0.033
		Propylene CH	0.001	0.004
		Propylene Oxide	0.042	0.184
		PM	0.38	1.65
F-701C	Product Silo Filter Train No. 3	VOC	0.03	0.14
		PM	0.38	1.65
F-702A	Hopper Silo Cyclone Train No. 1	VOC	0.02	0.07
		PM	0.14	0.59
F-702B	Hopper Silo Cyclone Train No. 2	VOC	0.02	0.07
		PM	0.14	0.59
F-702C/D	Hopper Silo Cyclones Train No. 4	VOC	<0.01	0.01
		PM	1.01	3.98
F-702G	Streamer Remover Bag Filter Train No. 4	VOC	<0.01	0.01
		PM	0.40	1.59
F-705	Auto Packer Cyclone	VOC	0.02	0.74
		PM	0.14	0.59
F-706A	Truck Silo Cyclone	VOC	0.02	0.74
		PM	0.14	0.59

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Point No. (1)	Name (2)	Name (3) lb/hr		TPY
F-745	Additive Dumping Bag Filter Train No. 4	PM	0.05	0.02
F-770	Desorber Pellet Cyclone Train No. 4	VOC PM	0.66 0.14	2.89 0.53
F-774	Cooling Air Outlet Filters Train No. 4	VOC PM	<0.01 1.09	0.01 4.66
F-780	Silo Air Filters Train No. 4	VOC PM	<0.01 0.48	0.01 1.87
F-981	Product Silo Air Cyclone Train No. 4	VOC PM	<0.01 1.01	0.01 3.98
PO-CT	Cooling Tower (5)	VOC	0.44	1.92
PP-FUG1	Fugitives No. 1 (4)	VOC PM	0.32 0.05	1.18 0.27
PP-FUG2	Fugitives No. 2 (4)	VOC	0.32	1.41
PP-FUG3	Fugitives No. 3 (4)	VOC	1.33	5.38
PP-FUG4	Fugitives No. 4 (4)	VOC	0.43	1.42
PP-FUG5	Fugitives No. 5 (4)	VOC	0.36	1.58
PP-FUG6	Fugitives No. 6 (4)	VOC	0.32	1.41
PP-FUG7	Fugitives No. 7 (4)	VOC	0.32	1.41
T-367	Dryer Train No. 1	Total VOC Propylene Heptane Octane Decane	2.098 0.138 1.043 0.771 0.142	9.305 0.622 4.643 3.384 0.622

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		Propylene Oxide	0.004	0.033
		PM	0.24	1.03
T-467	Dryer Train No. 2	Total VOC	2.086	9.150
		Propylene	0.185	0.812
		Heptane	1.026	4.494
		Octane	0.722	3.166
		Decane	0.131	0.578
		Propylene Oxide	0.022	0.100
		PM	0.24	1.03
T-567	Dryer Train No. 3	Total VOC	2.081	9.156
		Propylene	0.185	0.816
		Heptane	0.992	4.474
		Octane	0.733	3.210
		Decane	0.134	0.586
		Propylene Oxide	0.037	0.170
		PM	0.24	1.03
T-767	Dryer Train No. 4	VOC	0.37	1.64
		PM	0.41	1.76
1M-404	Dryer Train No. 1	VOC	0.18	0.80
		TSP	0.51	1.99
2M-404	Dryer Train No. 1	VOC	0.18	0.81
		TSP	0.51	1.99
M-409	Dust Collector Bag Filter	VOC		0.55

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
	2.43			
		TSP	0.12	0.48
M-410	Vacuum Cleaner Bag Filter			
	0.11	TSP		0.03
1M-502	Blending Silos Air Filter			
	<0.01			<0.01
	Train No. 1	TSP	0.49	1.95
2M-502	Blending Silos Air Filter			
	<0.01			<0.01
	Train No. 1	TSP	0.49	1.95
1M-702	Product Silos Air Cyclone			
	<0.01			<0.01
	Train No. 1	TSP	1.22	2.43
2M-702	Product Silos Air Cyclone			
	<0.01			<0.01
	Train No. 2	TSP	1.22	2.43
M-703	Packing Silos Air Cyclone			
	<0.01			<0.01
		TSP	0.98	0.65
M-704	Packing Silos Air Cyclone			
	<0.01			<0.01
		TSP	0.98	0.16
M-705A	Packing Silos Air Cyclone			
	<0.01			<0.01

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		TSP	0.98	1.95
M-705B	Packing Silos Air Cyclone	VOC		<0.01
	<0.01	TSP	0.98	1.95
PP2-FUG1	Piping Fugitives (4)	VOC	0.28	1.21
PP2-FUG2	Piping Fugitives (4)	VOC	2.48	10.88
PP2-FUG3	Piping Fugitives (4)	VOC	2.49	10.79
PP2-FUG4	Piping Fugitives (4)	VOC	0.62	2.71
PP2-FUG5	Piping Fugitives (4)	VOC	0.63	2.75
PP2-CT	Cooling Tower	VOC	1.32	5.77

(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

PM - particulate matter, suspended in the atmosphere, including PM₁₀

TSP - total suspended particulate

Propylene CH₃ - propylene chlorohydrin

(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.

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)lb/hr</u>	<u>TPY</u>

* 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_____