Emission Sources - Maximum Allowable Emission Rates

Permit Number 6141A and PSDTX118M4

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)
246	Large Flare	NOx	24.11	3.68
		CO (PSD)	122.9	18.71
		VOC (6)	215.4	37.14
		Al2O3	2.28	0.10
246	Large Flare, Startup, Shutdown, and Maintenance	NOx	70.84	1.30
		CO	360.9	6.62
		VOC	792.9	14.59
479	No. 2 Silica Activator	Silica/Catalyst Dust	0.01	0.01
480	No. 2 Silica Activator Blow Tank	Silica/Catalyst Dust	0.01	0.01
481	Silica Bin 6	Silica Dust	0.01	-
482	Silica Bin 7	Silica Dust	0.01	-
481, 482	Annual Emissions	Silica Dust	-	0.01
483	G-3 Blender Blow Tank	Catalyst Dust	0.01	0.01
		VOC	0.58	0.14
484	Catalyst Bin 25	Catalyst Dust	0.01	-
		VOC	0.04	0.01
485	Catalyst Bin 26	Catalyst Dust	0.01	-
		VOC	0.04	0.01
486	Catalyst Bin 27	Catalyst Dust	0.01	-
487	Catalyst Bin 28	Catalyst Dust	0.01	-

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484, 485, 486, 487	Annual Emissions	Catalyst Dust	-	0.01
488	Middle Catalyst Blow Tank	Catalyst Dust	0.02	-
		VOC	0.59	0.15
489	North Catalyst Blow Tank	Catalyst Dust	0.02	-
		VOC	2.78	0.52
490	South Catalyst Blow Tank	Catalyst Dust	0.02	-
		VOC	0.59	0.15
771	Catalyst Blow Tank	Catalyst Dust	0.02	-
		VOC	0.59	0.15
488, 489, 490, 771	Annual Emissions	Catalyst Dust	-	0.02
491	G-1 North Catalyst Feeder	Catalyst Dust	0.01	0.01
		VOC	1.02	1.93
492	G-1 South Catalyst Feeder	Catalyst Dust	1.02	1.93
		VOC	0.82	1.78
493	G-2 North Catalyst Feeder	Catalyst Dust	0.01	0.01
		VOC	0.82	1.78
494	G-2 South Catalyst Feeder	Catalyst Dust	0.01	0.01
		VOC	0.82	1.78
495	G-1 Seal Vent System	VOC	0.2	0.88
496	G-2 Seal System Vent	VOC	0.2	0.88
497	G-1 Seed Bed Vent	Polyethylene Dust	4.38	0.24

Emission Sources - Maximum Allowable Emission Rates

Combined Allowables - Entry No. 1				
504, 505, 506, 591, 594, and 1052	Resin Bin 101, Resin Bin 102, Resin Bin 103, P-1 Feed Hopper, Pellet Dryer Vent, and No. 1 Make Baghouse	VOC	14.48	15.72
Combined Allowables - Entry No. 2				
507, 508, 509, and 1053	Resin Bin 201, Resin Bin 203, Resin Bin 203, and No. 2 Make Baghouse	VOC	12.14	10.16
502	No. 1 Trim Vent	Polyethylene	0.1	0.01
503	No. 2 Trim Vent	Polyethylene	0.1	0.04
504, 505, 506	Resin Bin No. 101, 102, and 103	Polyethylene	0.1	0.41
		VOC (7)	-	-
507, 508, 509	Resin Bin No. 201, 202, and 203	Polyethylene	0.1	0.41
		VOC (8)	-	-
510	No. 1 Transfer Conveyor Separator	Polyethylene	0.15	-
511	No. 2 Transfer Conveyor Separator	Polyethylene	0.15	-
768	Dedicated Transfer System	Polyethylene	0.15	-
510, 511, and 768	Annual Emissions	Polyethylene	-	0.82
512	No. 1 Loading Conveyor Separator	Polyethylene	0.15	-
513	No. 2 Loading Conveyor Separator	Polyethylene	0.15	-
512 and 513	Annual Emissions	Polyethylene	-	0.50
514	Loading Additive Transfer System	Additive Dust	0.01	0.01
		Talc	0.13	0.01
516	No. 2 Loading Additive Hopper	Additive/Talc Dust	0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

521	G-2 Seed Bed Vent	Polyethylene Dust	4.38	0.24
522	Unit Fugitives Block 26 (5)(6)	VOC	11.74	49.17
523	Analyzer Vents	VOC	0.21	0.89
524	Pelleted Master Batch Baghouse	Polyethylene/Additive	0.02	0.01
590	P-1 Trim Bin Filter	Polyethylene	0.1	0.04
591	P-1 Feed Hopper Filter	Polyethylene/Additive	0.01	0.05
		VOC (6)	-	-
592	P-1 Additive (Granular) Filter	Additive Dust	0.01	0.01
592FF	P-1 Feeder Filter B	Additive Dust	0.13	0.05
593	P-1 Additive (Pelleted) Filter	Additive Dust	0.01	0.01
593FF	P-1 Feeder Filter A	Additive Dust	0.13	0.05
594	P-1 Pellet Dryer Exhaust	Polyethylene	0.5	1.55
		VOC (6)	-	-
595	P-1 Elutriator Filter	Polyethylene Dust	0.05	0.16
705	Small Flare	NOx	19.39	21.95
		CO	60.02	67.93
		VOC	50.64	51.11
		SO2	0.89	0.19
		AL2O3	2.28	2.08
761	Catalyst Bin 29	Catalyst	0.02	0.01
		VOC	2.19	0.39
762	Catalyst Bin 30	Catalyst	0.02	0.01
		VOC	2.19	0.39
765	Microtalc Filter	Talc Dust	0.12	0.02

Emission Sources - Maximum Allowable Emission Rates

765DFUG	Talc Unloading (5)	Talc Dust	1.67	0.05
766	Fugitives, Block 12 (5)	VOC	0.28	1.25
769	Fugitives, Block 17 (5)	VOC	0.33	1.45
1040	Additive Feeder	Additive/Talc Dust	0.01	0.02
1052	No. 1 Granular Make Baghouse	Polyethylene Dust	0.1	0.04
		VOC (6)	-	-
1053	No. 2 Granular Make Baghouse	Polyethylene Dust	0.1	0.39
		VOC (7)	-	-
1054	P-1 Additive Conveyor	Additive Dust	0.01	0.01
1075D	Talc Feeder Vent Line	Talc Dust	0.04	0.17
1086	Wash Pot	VOC	5.87	0.85
1090	G-1 Purge Bin Analyzer	VOC	0.01	0.01
1148	Ethylene Heating System Fugitives (5)	VOC	0.99	4.32

(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 Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
Al_2O_3 - aluminum oxide
CO - carbon monoxide
(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.
(6) 0.2 tons per year of VOC are authorized through PBR 43990. The PBR has not been voided.
(7) See Combined Allowables- Entry No. 1.
(8) See Combined Allowables- Entry No. 2.

Emission Sources - Maximum Allowable Emission Rates

Date: June 18, 2013