

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6141A/PSD-TX-118M3

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>	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
246	Large Flare	NO _x	16.77	1.43
		CO	85.45	7.27
		VOC	154.84	17.71
		Al ₂ O ₃	2.28	0.10
479	No. 2 Silica Activator <0.01	Silica/Catalyst Dust		<0.01
		VOC	127.89	10.24
480	No. 2 Silica Activator <0.01 Blow Tank	Silica/Catalyst Dust		<0.01
481	Silica Bin 6	Silica Dust	<0.01	
482	Silica Bin 7	Silica Dust	<0.01	<0.01
(Annual Emission Covers EPN's 481 and 482 above)				
483	G-3 Blender Blow Tank	Catalyst Dust	<0.01	<0.01
484	Catalyst Bin 25	Catalyst Dust	<0.01	
485	Catalyst Bin 26	Catalyst Dust	<0.01	
486	Catalyst Bin 27	Catalyst Dust	<0.01	
487	Catalyst Bin 28	Catalyst Dust	<0.01	<0.01

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<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>			

(Annual Emission Covers EPN's 484-487 above)

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
488	Middle Catalyst Blow Tank	Catalyst Dust	0.02	
489	North Catalyst Blow Tank	Catalyst Dust	0.02	
490	South Catalyst Blow Tank	Catalyst Dust	0.02	
771	Catalyst Blow Tank	Catalyst Dust	0.02	0.02
(Annual Emission Covers EPN's 488-90, and 771 above)				
491	G-1 North Catalyst Feeder	Catalyst Dust	0.01	<0.01
492	G-1 South Catalyst Feeder	Catalyst Dust	0.01	<0.01
493	G-2 North Catalyst Feeder	Catalyst Dust	0.01	<0.01
494	G-2 South Catalyst Feeder	Catalyst Dust	0.01	<0.01
495	G-1 Seal System Vent	VOC	0.20	0.88
496	G-2 Seal System Vent	VOC	0.20	0.88
500	G-1 Fluid Bed Cooler	Polyethylene VOC	0.1 (See	0.03 Combined
Entry No. 1)				
501	G-2 Fluid Bed Cooler	Polyethylene VOC	0.10 (See	0.39 Combined
Entry No. 2)				

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

*****	(Combined	Allowables	-	Entry	No.
1)	*****				

500	G-1 Fluid Bed Cooler	VOC	14.36	15.71
504	Resin Bin 101			
505	Resin Bin 102			
506	Resin Bin 103			
591	P-1 Feed Hopper			
594	Pellet Dryer Vent			
1052	No. 1 Make Baghouse			

*****	(Combined	Allowables	-	Entry	No.
2)	*****				

501	G-2 Fluid Bed Cooler	VOC	12.01	10.14
507	Resin Bin 201			
508	Resin Bin 202			
509	Resin Bin 203			
1053	No. 2 Make Baghouse			
502	No. 1 Trim Vent	Polyethylene	0.10	<0.01
503	No. 2 Trim Vent	Polyethylene	0.10	0.04
504	Resin Bin No. 101	Polyethylene VOC	See EPN 506 (See Combined	
Entry No. 1)				
505	Resin Bin No. 102	Polyethylene VOC	See EPN 506 (See Combined	
Entry No. 1)				
506	Resin Bin No. 103	Polyethylene	0.10	0.32

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<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>			

Entry No. 1) VOC (See Combined

(Hourly and Annual Particulate Emissions Cover EPN's 504 - 506, above.)

507 Resin Bin No. 201 Polyethylene VOC See EPN 509 (See Combined
Entry No. 2)

508 Resin Bin No. 202 Polyethylene VOC See EPN 509 (See Combined
Entry No. 2)

509 Resin Bin No. 203 Polyethylene VOC 0.1 0.41 (See Combined
Entry No. 2)

(Hourly and Annual Particulate Emissions Cover EPN's 507-509, above.)

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 0.73

(Annual Emission Covers EPN's 510, 511, and 768, above.)

512 No. 1 Loading Conveyor Separator Polyethylene 0.15

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
<u>TPY</u>			
513	No. 2 Loading Conveyor Separator	Polyethylene	0.15
	0.48		
(Annual Emission Covers EPN's 512 and 513, above.)			
514	Loading Additive Transfer System	Additive Dust	<0.01
	<0.01		
		Talc	0.13
			<0.01
515	No. 1 Loading Additive Hopper	Additive/Talc Dust	<0.01
516	No. 2 Loading Additive Hopper	Additive/Talc Dust	<0.01
	0.04		
(Annual Emission Covers EPN's 515 and 516, above.)			
522	Unit Fugitives Block 26 (4)	VOC	11.64
	48.76		
523	Analyzer Vents	VOC	0.20
			0.88
524	Pelleted Master Batch Baghouse	Polyethylene/Additive	0.02
	<0.01		
525	Granular Master Batch Baghouse	Polyethylene/Additive	0.04
	<0.01		
590	P1 Trim Bin Filter	Polyethylene	0.06
			0.03
591	P1 Feed Hopper Filter	Polyethylene/Additive	0.01
	0.05		
		VOC	(See Combined

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
Entry No. 1)				
592	P1 Additive (Granular) Filter	Additive Dust	<0.01	
	<0.01			
593	P1 Additive (Pelleted) Filter	Additive Dust	<0.01	
	<0.01			
594	P1 Pellet Dryer Exhaust	Polyethylene VOC	0.5 (See	1.2 Combined
Entry No. 1)				
595	P1 Elutriator Filter	Polyethylene Dust	0.05	0.12
705	Small Flare	VOC	101.27	102.22
		NO _x	14.77	16.80
		CO	126.62	144.02
		Al ₂ O ₃	2.28	2.08
		SO ₂	0.89	0.19
761	Catalyst Bin 29	Catalyst Dust	0.02	<0.01
762	Catalyst Bin 30	Catalyst Dust	0.02	<0.01
765	Microtalc Filter	Talc Dust	0.12	0.02
765DFUG	Talc Unloading (4)	Talc Dust	1.67	0.05
766	Fugitives, Block 12 (4)	VOC	0.28	1.25
769	Fugitives, Block 17 (4)	VOC	0.33	1.45
1040	Additive Feeder	Additive Dust	<0.01	0.02
		(Also Talc Dust)		

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<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>			
1052	No. 1 Granular Make Baghouse	Polyethylene Dust	0.10
	0.03		
Entry No. 1)		VOC	(See Combined
1053	No. 2 Granular Make Baghouse	Polyethylene Dust	0.10
	0.39		
Entry No. 2)		VOC	(See Combined
1054	P-1 Additive Conveyor	Additive Dust	<0.01 <0.01

(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) NO_x - total oxides of nitrogen

CO - carbon monoxide

VOC - volatile organic compounds as defined in General Rule 101.1

Al₂O₃ - aluminum oxide

SO₂ - sulfur dioxide

(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 Hrs/year 8,760

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