

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1567

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	Emission Rates *		
				TPY		
A-226	Silica Preheater			PM	0.01	0.021
A-227	No. 1 Activator			PM	0.01	0.014
				VOC	72.00	9.920
A-228	No. 1 Activator Blow Tank			PM	0.04	0.006
A-229	Filter, Bins 1-5			PM	0.14	0.040
A-230	G-5 Blender Blow Tank			PM	0.12	0.017
A-231	Filter, Bins 11-15			PM	0.09	0.013
A-232	Filter, Bins 16-20			PM	0.13	0.015
A-233	G5 Cat. Feed Vent			PM	0.01	0.004
A-245	Y-System Baghouse Vent			PM	1.20	1.00
A-246	Poly Flare			VOC	122.23	68.20
				NO <sub>x</sub>	1.66(5)	7.29
				CO	8.48(5)	37.14
A-248	G5 Gas Compressor Seal Oil Vent			VOC	0.20	0.88
A-249	Analyzer Vents			VOC	0.32	1.36
A-401	X-1 Transfer System			PM	1.25	1.75
A-402	X-2 Transfer System			PM	1.25	1.75

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Emission Point No. (1)	Source		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
A-403	X-3 Transfer System			PM	1.50	1.00
A-404	X-5 Transfer System			PM	1.75	4.50
A-409	Blending Bins Baghouse			PM	7.20	2.88
A-540	Master Batch System Vent			PM	0.35	0.10
A-615	X-6 Transfer System Baghouse			PM	1.25	1.75
A-1029	Resin Seed Bed Vent			PM	15.00	0.30

GROUP A SILOS

A-234	Silo 101 Baghouse					
A-235	Silo 102 Baghouse					
A-236	Silo 103 Baghouse					
A-237	Silo 104 Baghouse					
A-238	Silo 105 Baghouse					
A-239	Silo 106 Baghouse					
A-240	Silo 107 Baghouse					
A-241	Silo 201 Baghouse					
A-242	Silo 202 Baghouse					
A-243	Silo 203 Baghouse					
A-244	Silo 204 Baghouse			PM	0.30(6)	1.10(7)
A-399	Silo 205 Baghouse			VOC	5.80(6)	11.20(7)
A-400	Silo 206 Baghouse					
A-387	Silo 401 Baghouse					
A-388	Silo 402 Baghouse					
A-389	Silo 403 Baghouse					
A-390	Silo 404 Baghouse					
A-391	Silo 405 Baghouse					

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Emission Point No. (1)	Source Name (2)	Name (3)	Air Contaminant lb/hr	TPY	<u>Emission Rates *</u>	
A-392	Silo 406 Baghouse					
<u>GROUP B - SILOS</u>						
A-393	Silo 301 Baghouse					
A-394	Silo 302 Baghouse			PM	0.13(6)	0.10(7)
A-396	Silo 304 Baghouse					
A-397	Silo 305 Baghouse					
<u>GROUP C -SILOS</u>						
A-395	Silo 303 Baghouse			PM	0.60(6)	0.01(7)
A-398	Silo 306 Baghouse			VOC	5.80(6)	0.06(7)
<u>GROUP D - BLENDING BINS</u>						
A-405	North Blending Bin			PM	0.80(6)	0.42(7)
A-406	South Blending Bin					
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Feed Streams (Ethylene, Butene, and Hexene)	Fugitives (4)			VOC	7.67	33.59
Reactor Area	Fugitives (4)			VOC	5.87	25.71

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *
		lb/hr	TPY
(2)	Specific point source name. For fugitive sources use area name or fugitive source name.		
(3)	PM - particulate matter		
	VOC - volatile organic compounds as defined in General Rule 101.1		
	NO <sub>x</sub> - total oxides of nitrogen		
	CO - carbon monoxide		
(4)	Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.		
(5)	Average annual pounds per hour emission for poly flare.		
(6)	Maximum hourly emission rate from any one emission point listed within a group.		
(7)	Maximum annual emission rate for the group of listed emission points.		
	(The sum of all emission point rates within a group.)		

\* 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\_\_\_\_\_