

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 22760

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
216	Flare (5)			VOC	51.68	35.02
				NO _x	5.09	5.25
				CO	43.61	44.99
				SO ₂	0.12	0.54
				HCl	0.97	4.24
801	Piping Fugitives (4)			VOC	10.59	46.40
803	Cooling Tower Fugitives (4)			VOC	0.51	1.78
810A	Additive Vent Filter A			PM ₁₀	0.05	0.01
810B	Additive Vent Filter B			PM ₁₀	0.05	0.01
810C	Additive Vent Filter C			PM ₁₀	0.05	0.01
810D	Additive Vent Filter D			PM ₁₀	0.05	0.01
810E	Additive Vent Filter E			PM ₁₀	0.05	0.01
810F	Additive Vent Filter F			PM ₁₀	0.03	<0.01
810G	Additive Vent Filter G			PM ₁₀	0.03	<0.01
811	Additive Pressure Equalization Line Bag Filter			PM ₁₀	<0.01	<0.01
815	Extruder Vent			VOC	1.34	5.85

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		
			lb/hr	TPY	
816	Pellet Dryer Vent	VOC	0.37	1.62	
		PM ₁₀	<0.01	<0.01	
817A	Pellet Silo A Vent Filter (6)	VOC	0.18	0.79	
		PM ₁₀	0.01	0.05	
817B	Pellet Silo B Vent Filter (6)	VOC	0.18	0.79	
		PM ₁₀	0.01	0.05	
817C	Pellet Silo C Vent Filter (6)	VOC	0.18	0.79	
		PM ₁₀	0.01	0.05	
817D	Pellet Silo D Vent Filter (6)	VOC	0.18	0.79	
		PM ₁₀	0.01	0.05	
818	Pellet Service Hopper	VOC	0.18	0.79	
		PM ₁₀	0.01	0.05	
819A	Blender Silo A (7)	VOC	0.54	2.38	
		PM ₁₀	0.02	0.05	
819B	Blender Silo B (7)	VOC	0.54	2.38	
		PM ₁₀	0.02	0.05	
820	Off Pellet Hopper	VOC	<0.01	<0.01	
		PM ₁₀	0.01	<0.01	
821	B-Pellet Feed Hopper	VOC	0.04	<0.01	
		PM ₁₀	0.01	<0.01	
822	Pellet Feed Hopper Vent Filter	VOC	<0.01	0.02	
		PM ₁₀	<0.01	0.01	
39D	S-E Polypropylene Hopper Car Loading Spot (8)	VOC	0.23	1.02	
		PM ₁₀	0.06	0.10	
39E	Polypropylene Boxing	VOC	0.23	1.02	

and Bagging (8)

PM₁₀

0.01

0.02

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- (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
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
HCl - Hydrochloric Acid
PM₁₀ - particulate matter less than 10 microns
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The flare is also in Permit No. 4437. The represented emission rates are from the gas phase polypropylene plant.
- (6) Only one pellet silo receives product at a given time; therefore, total permit PM₁₀ emission rates reflect the contribution from only one of these silos.
- (7) Only one blender silo receives product at a given time; therefore, total permit PM₁₀ emission rates reflect the contribution from only one of these silos.
- (8) Loading at EPNs 39D and 39E does not occur at the same time; therefore, total permit PM₁₀ and VOC emission rates reflect the contribution from 39D.

* 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