

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2023B

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		
246	Flare			VOC	67.11	20.56
				NO _x	13.24	2.78
				CO	67.78	14.42
251	Reactor No. 1 Process Fugitives (4)			VOC	12.39	54.29
252	No. 1 Cyclone Scrubber Vent			VOC	3.40	<0.01
253	No. 1 Extruder Drier			VOC	(5)	(5)
				PM	1.30	5.69
254 - 260, and 271 - 275	Primary Storage Bins			VOC	(5)	(5)
261 - 268, and 276 - 282	Bulk Storage Bins			VOC	(5)	(5)
254 - 168, and 271 - 282	Storage Bins			PM	2.05	8.98
269	Reactor No. 2 Process Fugitives (4)			VOC	7.16	31.36
270	No. 2 Extruder Drier			VOC	(5)	(5)
				PM	1.30	5.69
410	No. 1 Fines Streamer Filter			PM	<0.01	<0.01

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<u>Emission Name (3)</u>	<u>Source lb/hr TPY</u>	<u>Air Contaminant</u>	<u>Emission Rates*</u>	<u>Point No. (1)</u>	<u>Name (2)</u>
411	No. 2 Fines Streamer Filter	PM	<0.01	<0.01	
546	Fines Separator Dust Collector	PM	0.10	0.44	
547	Preheat Bin	VOC PM	1.00 0.25	4.38 0.55	
548	Peroxide Tank	VOC	12.33	2.19	
549	Holding Bin	VOC	5.00	21.90	
550	Trim Bin	VOC	(6)	(6)	
551	Filter/Receiver	PM	0.10	0.44	
552	Cooling Bin No. 1	VOC PM	(6) 0.10	(6) 0.11	
553	Cooling Bin No. 2	VOC PM	(6) (7)	(6) (7)	
562	Mineral Spirits Tank	VOC	0.25	0.03	
669	Anti-Oxidant Mix Tank	VOC	11.43	0.16	
670	East Vinyl Acetate Run Tank	VOC	8.67	0.09	
671	West Vinyl Acetate Run Tank	VOC	8.40	0.09	
672	Old Run Tank	VOC	2.57	0.04	
1004	Fines Separator	PM	0.18	0.78	

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Emission Name (3)	Source lb/hr	Air Contaminant TPY	Emission Rates*	Point No. (1)	Name (2)
		Baghouse			
1011		No. 1 Process Analyzer Vent	VOC	<0.01	<0.01
1012		No. 2 Process Analyzer Vent	VOC	<0.01	<0.01
1021		Feeder Vent	PM	0.01	0.04
1039		Vulcanizables Blender Vent	VOC	(6)	(6)
1041		Cooling Tower	VOC		Upset Only

- (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
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 PM - particulate matter
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) VOC emission limits from EPNs 105, 205, 606, 607, 608, and 609 are reflected in the emission rates for EPNs 604 and 605. Compliance with the VOC emission limits for these EPNs shall be demonstrated per Special Conditions 3 and 4.
- (6) VOC emissions from this source are accounted for at EPN 549.
- (7) PM emissions from this source are accounted for at EPN 552.

* 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