

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19074

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)	Emission Rates *	
			lb/hr	TPY
VS-65	EVOH Flare	CO	14.33	8.01
		NO <sub>x</sub>	7.18	4.01
		VOC	38.02	17.23
VS-68	Extraction System Vent	VOC	5.06	0.02
VS-68-1	Extraction System Vent	VOC	5.06	0.02
VS-69	No. 1 Surge Tank Vent	VOC	1.11	<0.01
VS-69-1	No. 1 Surge Tank Vent	VOC	1.11	<0.01
VS-72	Fluidized Bed Dryer Vent	PM <sub>10</sub>	0.04	0.17
		VOC	0.40	1.75
VS-72-1	Fluidized Bed Dryer Vent	PM <sub>10</sub>	0.04	0.17
		VOC	0.40	1.75
VS-73	Hopper Dryer Bagfilter	PM <sub>10</sub>	<0.01	<0.01
VS-77	Extraction Water Tank Vent	VOC	<0.01	<0.01
VS-77-1	Extraction Water Tank Vent	VOC	<0.01	<0.01
VS-78	Centrate Tank Vent	VOC	<0.01	<0.01
VS-78-1	Centrate Tank Vent	VOC	<0.01	<0.01
VS-85	Product Hopper Vent	PM <sub>10</sub>	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
VS-92	Aspirator Cyclone Bagfilter Vent	PM <sub>10</sub>	<0.01	<0.01
VS-92-1	Aspirator Cyclone Bagfilter Vent	PM <sub>10</sub>	<0.01	<0.01
VS-93	Fugitives (4)	VOC	5.47	23.97
VS-98	No. 1 Chemical Treatment Tank Vent	VOC	<0.01	<0.01
VS-98-1	No. 1 Chemical Treatment Tank Vent	VOC	<0.01	<0.01
VS-99	No. 2 Chemical Treatment Tank Vent	VOC	<0.01	<0.01
VS-99-1	No. 2 Chemical Treatment Tank Vent	VOC	<0.01	<0.01
VS-102	Hydroquinone Addition Tank Vent	PM <sub>10</sub>	<0.01	<0.01
VS-103	Caustic Silo Bag Filter Vent	PM <sub>10</sub>	0.02	0.09
VS-105	Seal Oil Tank	VOC	<0.01	<0.01
VS-105-1	Seal Oil Tank	VOC	<0.01	<0.01
VS-106	Refrigerator Unit Tank Vent	VOC	4.04	<0.01
VS-107	Refrigerator Unit Tank Vent	VOC	0.55	<0.01
VS-112	Central Vacuum System Vent	PM <sub>10</sub>	<0.01	<0.01
VS-113	Product Hopper Dust	PM <sub>10</sub>	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
	Collector Vent			
VS-114	Product Recovery Vent	PM <sub>10</sub>	<0.01	<0.01
VS-118	Wastewater Tank	VOC	0.02	0.06
VS-119 to VS-121	Line 2 Exhaust Vents West, Center, and East (3 Vents) (5)	VOC	0.52	2.06
VS-119-1 to VS-121-1	Line 1 Exhaust Vents West, Center, and East (3 Vents) (5)	VOC	0.52	2.06
VS-127	Water Bath Scrubber Vent	VOC	0.35	1.40
VS-127-1	Water Bath Scrubber Vent	VOC	0.35	1.40
VS-129	Slurry Tank Vent	VOC	0.05	<0.01
VS-129-1	Slurry Tank Vent	VOC	0.05	<0.01
VS-137	No. 1 Lubricator Tank Vent	VOC	<0.01	<0.01
VS-137-1	No. 1 Lubricator Tank Vent	VOC	<0.01	<0.01
VS-139	No. 2-A Lubricator Tank Vent	VOC	<0.01	<0.01
VS-141	No. 2-B Lubricator Tank Vent	VOC	<0.01	<0.01
VS-143	EVOH Filters Fugitives (4)	VOC	2.35	0.06
VS-143-1	EVOH Filters Fugitives (4)	VOC	2.35	0.06
VS-145	Stripper Bottom Fugitives (4)	VOC	1.39	0.04
VS-145-1	Stripper Bottom Fugitives (4)	VOC	1.39	0.04

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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)  $PM_{10}$  - particulate matter less than 10 microns  
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1  
 $NO_x$  - 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) This source includes only the Water Baths Nos. 1 through 4.

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