

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18046

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
CP-S-1	Fresh Tank	VOC	5.28	0.24
CP-S-2	Spent Tank	VOC	2.33	0.57
CP-S-4	Recycle Tank	VOC	16.75	0.53
CP-F-1	Fugitives (4)	VOC	1.08	4.73
		PM <sub>10</sub>	0.04	0.18
CP-B-1	Central Dust Collector	PM <sub>10</sub>	0.05	0.20
CP-B-3	Spray Dryer Baghouse	VOC	0.01	0.04
		NO <sub>x</sub>	0.10	0.42
		SO <sub>x</sub>	<0.01	<0.01
		PM <sub>10</sub>	0.18	0.79
		CO	0.13	0.56
CP-B-4	South Semiworks Hopper Vent Filler	PM <sub>10</sub>	0.70	0.39
CP-B-5	Powder Filter/Receiver	PM <sub>10</sub>	1.46	0.80
CP-B-6	Vanadium Receiver Vent Filter	PM <sub>10</sub>	0.01	<0.01
CP-SC-1	Filter Press Vent Scrubber	VOC	5.37	4.15
SW-H-2	Start-Up Heater	VOC	0.02	0.07
		NO <sub>x</sub>	0.32	1.40
		SO <sub>2</sub>	<0.01	<0.01
		PM <sub>10</sub>	0.02	0.07
		CO	0.06	0.28

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
FUG	Fugitives (4)	VOC	0.03	0.15
H-3	Incinerator	VOC	0.01	0.02
		NO <sub>x</sub>	5.26	9.74
		SO <sub>2</sub>	0.47	0.88
		PM <sub>10</sub>	2.16	3.99
		CO	101.10	141.30
FL-G4	Process Flare (5)	VOC	0.15	0.03
		NO <sub>x</sub>	0.01	<0.01
		CO	0.04	0.01
CP-T-1	Truck Unloading	VOC	2.78	0.03

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

(2) Specific point source names. For fugitive sources use area name or fugitive source name.

(3) PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>x</sub> - total oxides of sulfur

SO<sub>2</sub> - sulfur dioxide

CO - carbon monoxide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Flare data represent only those emissions associated with the unit covered by this permit.

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