

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

18614

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)	Name (3)	Air Contaminant lb/hr	TPY	Emission Rates *	
Valero Hydrocarbons, L. P. Facilities						
1	Allison 501-KC			NOx	13.40	58.80
	Gas Turbine			CO	21.50	94.00
	Mfr.'s Rating: 4,000 HP			VOC	0.05	0.22
	Operate Limit: 4,000 HP			SO2	0.03	0.12
4	MEP-6 Gas-fired Engine			NOx	5.55	24.31
	Mfr.'s Rating: 1,350 HP			CO	4.55	19.93
	Turbocharged: 1,650 HP			VOC	0.23	1.00
	Operate Limit: 1,260 HP			SO2	0.01	0.03
5+	MEP-6 Gas-fired Engine			NOx	5.55	24.31
	Mfr.'s Rating: 1,350 HP			CO	4.55	19.93
	Turbocharged: 1,650 HP			VOC	0.23	1.00
	Operate Limit: 1,260 HP			SO2	0.01	0.03
6	6.5 MMBtu/hr Inlet Gas Dehydration Heater			NOx	0.70	2.90
				CO	0.10	0.60
				VOC	<0.01	0.002
				SO2	<0.10	0.02
				PM10	0.03	0.14
7	Emergency Flare			VOC	<0.10	<0.01
12	MEP-10T Gas-Fired Engine			NOx	10.68	46.80
	Mfr.'s Rating: 2,750 HP			CO	8.48	37.20
	Operate Limit: 2,425 HP			VOC	0.39	1.70
				SO2	0.02	0.06

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13	39.5 MMBtu/hr Hot Oil Heater	NOx	5.53	24.20
		CO	1.38	6.10
		VOC	<0.10	0.01
		SO2	0.03	0.13
		PM10	0.20	0.86

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hr	TPY

Valero Hydrocarbons, L. P. Facilities (cont.)

14	6.4 MMBtu/hr Amine Unit Regeneration Heater	NOx	0.70	2.90
		CO	0.10	0.60
		VOC	<0.10	0.002
		SO2	<0.01	0.02
		PM10	0.03	0.14
16	MEP-8 Gas-Fired Engine Mfr.'s Rating: 1,800 HP Turbocharged: 2,200 HP Operate Limit: 1,750	NOx	7.71	33.77
		CO	6.35	27.80
		VOC	0.29	1.31
		SO2	0.01	0.05
17	MEP-8 Gas-Fired Engine Mfr.'s Rating: 1,800 HP Turbocharged: 2,200 HP Operate Limit: 1,750	NOx	7.71	33.77
		CO	6.35	27.80
		VOC	0.29	1.31
		SO2	0.01	0.05
18	6.4 MMBtu/hr Amine Unit Regeneration Heater	NOx	0.65	2.90
		CO	0.13	0.60
		VOC	<0.10	0.002
		SO2	<0.01	0.02
		PM10	0.03	0.14
23	Process Fugitive (4)	VOC	3.69	16.15
24	1.5 MMBtu/hr Heater Ethane Dehydration	NOx	0.16	0.70
		CO	0.04	0.20
		VOC	<0.01	<0.01
		SO2	<0.01	<0.01

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25	60.0 MMBtu/hr Hot Oil Heater	NOx	2.56	11.22
		CO	2.33	10.20
		VOC	0.001	0.004
		SO2	0.06	0.25

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lbs/hr TPY	
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Valero Transmission, L. P. Facilities (cont.)

2	Solar Centaur Gas Turbine Mfr.'s Rating: 4,000 HP Operate Limit: 3,703 HP	NOx	15.70	68.70
		CO	3.40	15.10
		VOC	0.05	0.22
		SO2	0.03	0.11
3	Solar Centaur Gas Turbine Mfr.'s Rating: 4,000 HP Operate Limit: 3,703 HP	NOx	15.70	68.70
		CO	3.40	15.10
		VOC	0.05	0.22
		SO2	0.03	0.11
10	Solar Centaur Gas Turbine Mfr.'s Rating: 4,000 HP Operate Limit: 3,703 HP	NOx	15.70	68.70
		CO	3.40	15.10
		VOC	0.05	0.22
		SO2	0.03	0.11
11	Solar Centaur Gas Turbine Mfr.'s Rating: 4,000 HP Operate Limit: 3,703 HP	NOx	15.70	68.70
		CO	3.40	15.10
		VOC	0.05	0.22
		SO2	0.03	0.11

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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) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in General Rule 101.1
SO₂ - sulfur dioxide
PM₁₀ - sub ten micron particulate matter
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Compliance with the annual emission limits is based on a rolling 365-day year rather than the calendar year.

+ To be used on standby basis

Revised _____