

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19592

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)	<u>Emission Rates</u>	
			lb/hr	TPY
Source 80	Heater****	VOC	<0.01	<0.01
		NO _x	0.75	1.64
		SO ₂	<0.01	0.01
		PM	0.04	0.08
		CO	0.15	0.33
Source 81	Hot Oil Heater**	VOC	<0.01	<0.01
		NO _x	1.14	5.00
		SO ₂	<0.01	0.03
		PM	0.06	0.21
		CO	0.34	1.50
Source 82	Amine Heater**	VOC	<0.01	<0.01
		NO _x	0.40	1.75
		SO ₂	<0.01	0.01
		PM	0.02	0.09
		CO	0.08	0.35
Source 83	Amine Heater**	VOC	<0.01	<0.01
		NO _x	0.40	1.75
		SO ₂	<0.01	0.01
		PM	0.02	0.09
		CO	0.08	0.35
Source 84	Amine Heater**	VOC	<0.01	<0.01
		NO _x	0.40	1.75
		SO ₂	<0.01	0.01
		PM	0.02	0.09
		CO	0.08	0.35

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
Source 85	Incinerator**	VOC	<0.01	<0.10
		NO _x	0.62	2.71
		SO ₂	8.70	38.12
		PM	<0.01	0.04
		CO	0.13	0.55
Source 40	Emergency Flare*** (5)	VOC	<0.50	<0.01
		NO _x	<0.50	<0.01
		SO ₂	4.50	0.10
		H ₂ S	2.00	8.70
	Plant Fugitives (4)	VOC	5.45	23.86

- (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
 PM - particulate matter
 CO - carbon monoxide
 H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate limit.

*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 _____
7,884

** 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

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*** 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____
44

**** 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____
4,380

(5) When not in operation, the flare stack may be used to vent no more than the maximum hourly emission rate of H₂S specified.

Dated_____