

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

1306

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		
301	Generator Engine			CO	5.70	25.10
				NOx	21.50	94.10
				VOC	0.03	0.15
302	Pump Engine			CO	5.06	
				NOx	18.99	
				VOC	0.03	
303	Pump Engine			CO	5.06	
				NOx	18.99	
				VOC	0.03	
	Total Annual Emissions for EPN 302 and 303 (6)			CO		22.16
				NOx		83.18
				VOC		0.13
304	DEA Heater (4,500 hours per year)			CO	1.20	
				NOx	4.79	
				VOC	<0.01	
305	DEA Heater (4,500 hours per year)			CO	1.20	
				NOx	4.79	
				VOC	<0.01	
	Total Annual Emissions for EPN 304 and 305 (7)			CO		5.25
				NOx		21.00
				VOC		0.04
306F	Fugitives (4)			VOC	0.28	1.22
307	TEG Heater			CO	0.05	0.22
				NOx	0.24	1.10
				VOC	<0.01	<0.01

308F

H2S Fugitives (4)

H2S

0.26

1.14

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	Emission Rates *	
				TPY	
309	Tail Gas Incinerator (8,360 hours per year) (5)	CO		0.10	0.51
		H2S		3.67	15.34
		NOx		0.60	2.53
		PM10		0.03	0.13
		SO2		337.00	1408.70
		SO3		2.16	9.03
		VOC		2.08	0.48
309	Tail Gas Incinerator (8,360 hours per year) (5) (8)	CO		0.10	0.51
		H2S	1.75	7.67	
		NOx		0.60	2.53
		PM10		0.03	0.13
		SO2	158.00	692.00	
		SO3		1.08	4.52
		VOC		2.08	0.48
310	Flare (200 hours per year)	CO		31.10	2.33
		H2S		36.00	3.60
		NOx		2.19	0.16
		SO2		3312.40	331.20

- (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) CO - carbon monoxide
H2S - hydrogen sulfide
NOx - total oxides of nitrogen
PM10 - particulate matter less than 10 microns
SO2 - sulfur dioxide
SO3 - sulfur trioxide
VOC - volatile organic compounds as defined in General Rule 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) SO3 emissions are 1/2 of 1 percent of SO2 emissions.
- (6) The engines shall comply with Special Provision No. 15.
- (7) The DEA heaters shall comply with Special Provision No. 16.
- (8) The TGI shall comply with Special Provisions No. 6 and 24.

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

Hrs/day____Days/week____Weeks/year____or Hrs/year 8,760