

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

9458

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		Emission Rates *	
	Name (2)	Name (3)	lb/hr	TPY		
9	Glycol Heater			NO _x	0.15	0.66
				SO ₂		<0.01
10	Amine Heater			NO _x	3.59	15.72
				SO ₂	105.1	460.1
12	Flare			NO _x	0.11	0.48
				SO ₂		<0.01
15	Steam Boiler			NO _x	0.10	0.42
				SO ₂		<0.01
	Fugitive (4)			VOC		0.40
16	Compressor			CO	6.80	29.76
				SO ₂	0.27	1.18
				NO _x	6.39	27.99
				VOC	0.90	3.94
17	Compressor			CO	0.84	3.68
				SO ₂	0.17	0.74
				NO _x	4.66	20.42
				VOC	0.69	3.00
18	Compressor			CO	0.84	3.68
				SO ₂	0.17	0.74
				NO _x	4.66	20.42
				VOC	0.69	3.00
19	Compressor			CO	0.84	3.68
				SO ₂	0.17	0.74

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NO _x	4.66	20.42
VOC	0.69	3.00

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Emission Point No. (1)	Source Name (2)	Name (3)	lb/hr	Air Contaminant TPY	<u>Emission Rates *</u>	
20	Compressor			CO	0.84	3.68
				SO ₂	0.17	0.74
				NO _x	4.66	20.42
				VOC	0.69	3.00
21	Tank 017			VOC	1.11	4.50
				H ₂ S	<0.01	<0.02
22	Tank 016			VOC	1.11	4.50
				H ₂ S	<0.01	<0.02
23	Tank 233			VOC	0.42	1.49
				H ₂ S	<0.01	<0.01
24	Tank 232			VOC	0.42	1.49
				H ₂ S	<0.01	<0.01
25	Tank 715			VOC	0.37	1.24
				H ₂ S	<0.01	<0.01
26	Tank 850			VOC	0.37	1.24
				H ₂ S	<0.01	<0.01
27	Tank 792			VOC	0.68	2.17
				H ₂ S	<0.01	<0.01
28	Tank 791			VOC	0.68	2.17
				H ₂ S	<0.01	<0.01
29	Tank 644			VOC	0.29	0.72
				H ₂ S	<0.01	<0.01
30	Tank 336			VOC	0.29	0.72
				H ₂ S	<0.01	<0.01

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31	Tank 408	VOC	0.21	0.16
		H ₂ S	<0.01	<0.01

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32	Tank 407			VOC	0.21	0.16
				H ₂ S	<0.01	<0.01
33	Tank 406			VOC	1.27	4.71
				H ₂ S	<0.01	<0.02
34	Tank 405			VOC	1.27	4.71
				H ₂ S	<0.01	<0.02
35	Tank 124			VOC	1.06	3.61
				H ₂ S	<0.01	<0.02
36	Tank 125			VOC	1.06	3.61
				H ₂ S	<0.01	<0.02
37	Heater			CO	0.01	0.06
				SO ₂	0.12	0.53
				NO _x	0.07	0.32
				PM ₁₀	<0.01	0.02
				VOC	<0.01	0.02
38	Heater			CO	0.01	0.06
				SO ₂	0.12	0.53
				NO _x	0.07	0.32
				PM ₁₀	<0.01	0.02
				VOC	<0.01	0.02
39	Heater			CO	0.01	0.06
				SO ₂	0.12	0.53
				NO _x	0.07	0.32
				PM ₁₀	<0.01	0.02
				VOC	<0.01	0.02
40	Heater			CO	0.01	0.06

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SO ₂	0.12	0.53
NO _x	0.07	0.32
PM ₁₀	<0.01	0.02
VOC	<0.01	0.02

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Emission Point No. (1)	Source Name (2)	Name (3)	lb/hr	Air Contaminant TPY	<u>Emission Rates *</u>	
41	Flare			CO	0.63	2.77
				SO ₂	0.71	3.12
				NO _x	0.07	0.32
				VOC	0.07	0.31
				H ₂ S	0.01	0.03
42	Flare			CO	0.72	3.14
				SO ₂	0.81	3.54
				NO _x	0.08	0.37
				VOC	0.08	0.35
				H ₂ S	0.01	0.04
43	Flare			CO	0.13	0.59
				SO ₂	0.15	0.66
				NO _x	0.02	0.07
				VOC	0.02	0.07
				H ₂ S	<0.01	0.01
44	Flare			CO	0.01	0.02
				SO ₂	0.01	0.03
				NO _x	<0.01	<0.01
				VOC	<0.01	<0.01
				H ₂ S	<0.01	<0.01
45	Flare			CO	0.67	2.94
				SO ₂	0.76	3.31
				NO _x	0.08	0.34
				VOC	0.08	0.33
				H ₂ S	0.01	0.04

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46	Flare	CO	0.22	0.95
		SO ₂	0.24	1.07
		NO _x	0.03	0.11
		VOC	0.02	0.11
		H ₂ S	<0.01	0.01

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Emission Point No. (1)	Source Name (2)	Name (3)	lb/hr	Air Contaminant TPY	<u>Emission Rates *</u>	
47	Flare			CO	0.14	0.63
				SO ₂	0.16	0.71
				NO _x	0.02	0.07
				VOC	0.02	0.07
				H ₂ S	<0.01	0.01
48	Flare			CO	0.65	2.83
				SO ₂	0.73	3.19
				NO _x	0.08	0.33
				VOC	0.07	0.32
				H ₂ S	0.01	0.03
100	Heater			CO	0.01	0.06
				SO ₂	0.12	0.53
				NO _x	0.07	0.32
				PM ₁₀	<0.01	0.02
				VOC	<0.01	0.02
200	Heater			CO	0.01	0.06
				SO ₂	0.12	0.53
				NO _x	0.07	0.32
				PM ₁₀	<0.01	0.02
				VOC	<0.01	0.02
300	Heater			CO	0.01	0.06
				SO ₂	0.12	0.53
				NO _x	0.07	0.32
				PM ₁₀	<0.01	0.02
				VOC	<0.01	0.02
400	Heater			CO	0.01	0.06
				SO ₂	0.12	0.53
				NO _x	0.07	0.32
				PM ₁₀	<0.01	0.02
				VOC	<0.01	0.02

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Emission Point No. (1)	Source Name (2)	Name (3)	lb/hr	Air Contaminant TPY	<u>Emission Rates *</u>	
500	Heater			CO	0.01	0.06
				SO ₂	0.12	0.53
				NO _x	0.07	0.32
				PM ₁₀	<0.01	0.02
				VOC	<0.01	0.02
600	Heater			CO	0.03	0.13
				SO ₂	0.24	1.06
				NO _x	0.14	0.63
				PM ₁₀	<0.01	0.03
				VOC	0.01	0.03
700	Heater			CO	0.01	0.06
				SO ₂	0.12	0.53
				NO _x	0.07	0.32
				PM ₁₀	<0.01	0.02
				VOC	<0.01	0.02
800	Heater			CO	0.03	0.13
				SO ₂	0.24	1.06
				NO _x	0.14	0.63
				PM ₁₀	<0.01	0.03
				VOC	0.01	0.03
900	Heater			CO	0.01	0.06
				SO ₂	0.12	0.53
				NO _x	0.07	0.32
				PM ₁₀	<0.01	0.02
				VOC	<0.01	0.02
1000	Heater			CO	0.03	0.13
				SO ₂	0.24	1.06
				NO _x	0.14	0.63
				PM ₁₀	<0.01	0.03

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VOC	0.01	0.03
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Emission Point No. (1)	Source Name (2)	Name (3)	lb/hr	Air Contaminant TPY	<u>Emission Rates *</u>	
1100	Heater			CO	0.01	0.06
				SO ₂	0.12	0.53
				NO _x	0.07	0.32
				PM ₁₀	<0.01	0.02
				VOC	<0.01	0.02
1200	Heater			CO	0.03	0.13
				SO ₂	0.24	1.06
				NO _x	0.14	0.63
				PM ₁₀	<0.01	0.03
				VOC	0.01	0.03
1300	Heater			CO	0.03	0.13
				SO ₂	0.24	1.06
				NO _x	0.14	0.63
				PM ₁₀	<0.01	0.03
				VOC	0.01	0.03
1400	Heater			CO	0.03	0.13
				SO ₂	0.24	1.06
				NO _x	0.14	0.63
				PM ₁₀	<0.01	0.03
				VOC	0.01	0.03
1500	Heater			CO	0.03	0.13
				SO ₂	0.24	1.06
				NO _x	0.14	0.63
				PM ₁₀	<0.01	0.03
				VOC	0.01	0.03

- (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.

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- (3) PM - particulate matter
PM₁₀ - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
H₂S - hydrogen sulfide
- (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

Revised