

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9458/PSD-TX-675M3

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
9	Glycol Heater	NO _x	0.05	0.22
		CO	0.04	0.18
		VOC	<0.01	0.01
		SO ₂	<0.01	<0.01
		PM	<0.01	0.02
		H ₂ S	<0.01	<0.01
10-H-1	Amine Reboiler	NO _x	0.75	3.29
		CO	0.63	2.76
		VOC	0.04	0.18
		SO ₂	<0.01	0.02
		PM	0.06	0.25
		H ₂ S	<0.01	<0.01
10-IC-1	Incinerator	NO _x	1.35	1.53
		CO	0.29	1.29
		VOC	0.02	0.08
		SO ₂	<0.01	0.01
		PM	0.03	0.12
		H ₂ S	1.12	4.90
10-AM-REGEN	Amine Regenerator	VOC	0.01	0.06
		SO ₂	42.13	184.51
		H ₂ S	1.11	4.85
FU-SWN	Fugitives (4)	VOC	0.09	0.40
		H ₂ S	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
12	Flare	NO _x	0.02	0.08
		CO	0.15	0.67
		VOC	0.02	0.10
		SO ₂	0.02	0.08
		PM	<0.01	<0.01
		H ₂ S	<0.01	<0.01
12-DEHY	Flare	VOC	0.03	0.14
		H ₂ S	<0.01	<0.01
15	Boiler	CO	0.04	0.17
		SO ₂	<0.01	<0.01
		NO _x	0.05	0.20
		PM	<0.01	0.01
		VOC	<0.01	0.01
		H ₂ S	<0.01	<0.01
21-513	Tank 513	VOC	0.55	2.21
		H ₂ S	<0.01	<0.01
21a	Tank 726	VOC	0.23	0.84
		H ₂ S	<0.01	<0.01
22-514	Tank 514	VOC	0.55	2.21
		H ₂ S	<0.01	<0.01
22a	Tank 727	VOC	0.23	0.84
		H ₂ S	<0.01	<0.01
23-507	Tank 507	VOC	0.16	0.55
		H ₂ S	<0.01	<0.01
24-508	Tank 508	VOC	0.16	0.55
		H ₂ S	<0.01	<0.01
25-509	Tank 509	VOC	0.13	0.44

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		H ₂ S	<0.01	<0.01
26-510	Tank 510	VOC	0.13	0.44
		H ₂ S	<0.01	<0.01
27-503	Tank 503	VOC	0.23	0.81
		H ₂ S	<0.01	<0.01
28-504	Tank 504	VOC	0.23	0.81
		H ₂ S	<0.01	<0.01
29-501	Tank 501	VOC	0.12	0.37
		H ₂ S	<0.01	<0.01
30-502	Tank 502	VOC	0.12	0.37
		H ₂ S	<0.01	<0.01
31-499	Tank 499	VOC	0.09	0.29
		H ₂ S	<0.01	<0.01
32-500	Tank 500	VOC	0.09	0.29
		H ₂ S	<0.01	<0.01
33-497	Tank 497	VOC	0.23	0.84
		H ₂ S	<0.01	<0.01
34-498	Tank 498	VOC	0.23	0.84
		H ₂ S	<0.01	<0.01
35-763	Tank 763	VOC	0.18	0.61
		H ₂ S	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
36-764	Tank 764	VOC	0.18	0.61
		H ₂ S	<0.01	<0.01
37	Heater	CO	<0.01	0.05
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
38	Heater	CO	<0.01	0.05
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
40	Heater	CO	<0.01	0.05
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
41	Flare	CO	0.02	0.09
		SO ₂	<0.01	0.01
		NO _x	<0.01	0.01
		VOC	<0.01	0.01
		H ₂ S	<0.01	<0.01
42	Flare	CO	0.04	0.17
		SO ₂	<0.01	0.02
		NO _x	<0.01	0.02
		VOC	<0.01	0.01
		H ₂ S	<0.01	<0.01
43	Flare	CO	0.01	0.03

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		SO ₂	<0.01	<0.01
		NO _x	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
44	Flare	CO	<0.01	0.02
		SO ₂	<0.01	<0.01
		NO _x	<0.01	0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
45	Flare	CO	0.03	0.14
		SO ₂	<0.01	0.02
		NO _x	<0.01	0.02
		VOC	<0.01	0.01
		H ₂ S	<0.01	<0.01
46	Flare	CO	0.01	0.05
		SO ₂	<0.01	0.01
		NO _x	<0.01	0.01
		VOC	<0.01	0.01
		H ₂ S	<0.01	<0.01
47	Flare	CO	0.02	0.08
		SO ₂	<0.01	0.01
		NO _x	<0.01	0.01
		VOC	<0.01	0.01
		H ₂ S	<0.01	<0.01
48	Flare	CO	0.08	0.36
		SO ₂	0.02	0.08
		NO _x	0.40	0.18
		VOC	0.02	0.11
		H ₂ S	0.01	0.03
100	Heater	CO	<0.01	0.05

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
200	Heater	CO	<0.01	0.05
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
300	Heater	CO	<0.01	0.05
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
400	Heater	CO	<0.01	0.05
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
900	Heater	CO	<0.01	0.05
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
1200	Heater	CO	<0.01	0.09
		SO ₂	<0.01	0.08
		NO _x	<0.01	0.11
		PM	<0.01	0.01
		VOC	<0.01	0.01
		H ₂ S	<0.01	<0.01
1300	Heater	CO	<0.01	0.09
		SO ₂	<0.01	0.08
		NO _x	<0.01	0.11
		PM	<0.01	0.01
		VOC	<0.01	0.01
		H ₂ S	<0.01	<0.01
1400	Heater	CO	<0.01	0.09
		SO ₂	<0.01	0.08
		NO _x	<0.01	0.11
		PM	<0.01	0.01
		VOC	<0.01	0.01
		H ₂ S	<0.01	<0.01
1500	Heater	CO	<0.01	0.09
		SO ₂	<0.01	0.08
		NO _x	<0.01	0.11
		PM	<0.01	0.01
		VOC	<0.01	0.01
		H ₂ S	<0.01	<0.01
9702	Heater	CO	<0.01	0.05

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
9613	Heater	CO	<0.01	0.09
		SO ₂	<0.01	0.08
		NO _x	<0.01	0.11
		PM	<0.01	0.01
		VOC	<0.01	0.01
		H ₂ S	<0.01	<0.01
9616	Heater	CO	<0.01	0.05
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
9625	Heater	CO	<0.01	0.05
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
9626	Heater	CO	<0.01	0.05
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
9627	Tank 695	VOC	0.63	2.51
		H ₂ S	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
9628	Tank 696	VOC	0.63	2.51
		H ₂ S	<0.01	<0.01
9629	Tank 57162	VOC	0.18	0.67
		H ₂ S	<0.01	<0.01
9802	Heater	CO	<0.01	0.05
		SO ₂	<0.01	0.04
		NO _x	<0.01	0.05
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
		H ₂ S	<0.01	<0.01
9803	Tank	VOC	0.17	0.55
		H ₂ S	<0.01	<0.01
9804	Tank	VOC	0.17	0.55
		H ₂ S	<0.01	<0.01
9805	Compressor	CO	1.19	4.96
		SO ₂	0.21	0.89
		NO _x	8.64	35.95
		VOC	0.34	1.42
		H ₂ S	<0.01	<0.01
9806	Compressor	CO	0.99	4.13
		SO ₂	0.18	0.74
		NO _x	7.20	29.96
		VOC	0.29	1.19
		H ₂ S	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
9807	Compressor	CO	0.99	4.13
		SO ₂	0.18	0.74
		NO _x	7.20	29.96
		VOC	0.29	1.19
		H ₂ S	<0.01	<0.01
9808	Compressor	CO	0.93	3.86
		SO ₂	0.17	0.69
		NO _x	6.72	27.96
		VOC	0.27	1.11
		H ₂ S	<0.01	<0.01
9809	Compressor	CO	0.76	3.17
		SO ₂	0.14	0.57
		NO _x	5.52	22.97
		VOC	0.22	0.91
		H ₂ S	<0.01	<0.01
9810	Compressor	CO	0.60	2.48
		SO ₂	0.11	0.44
		NO _x	4.32	17.98
		VOC	0.17	0.71
		H ₂ S	<0.01	<0.01
9811	Compressor	CO	0.38	1.58
		SO ₂	0.07	0.28
		NO _x	2.76	11.48
		VOC	0.11	0.45
		H ₂ S	<0.01	<0.01
9812	Compressor	CO	0.38	1.58
		SO ₂	0.07	0.28
		NO _x	2.76	11.48
		VOC	0.11	0.45
		H ₂ S	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
9813	Compressor	CO	0.35	1.45
		SO ₂	0.06	0.26
		NO _x	2.52	10.49
		VOC	0.10	0.42
		H ₂ S	<0.01	<0.01
9814	Compressor	CO	0.26	1.10
		SO ₂	0.05	0.20
		NO _x	1.92	7.99
		VOC	0.08	0.32
		H ₂ S	<0.01	<0.01
9815	Compressor	CO	0.20	0.83
		SO ₂	0.04	0.15
		NO _x	1.44	5.99
		VOC	0.06	0.24
		H ₂ S	<0.01	<0.01
9816	Compressor	CO	0.14	0.58
		SO ₂	0.03	0.10
		NO _x	1.01	4.19
		VOC	0.04	0.17
		H ₂ S	<0.01	<0.01
9817	Compressor	CO	0.38	1.58
		SO ₂	0.07	0.28
		NO _x	2.76	11.48
		VOC	0.11	0.45
		H ₂ S	<0.01	<0.01

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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) PM - particulate matter, suspended in the atmosphere, including PM₁₀
PM₁₀ - particulate matter 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_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 _____

Dated _____