

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 20660 and PSD-TX-795

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
1	GMVH-12 Engine	NO _x	37.00	162.06
		CO	5.29	23.17
		VOC	5.29	23.17
		SO ₂	0.29	1.27
2	Clark TLAB-6 Engine	NO _x	44.05	192.94
		CO	8.81	38.59
		VOC	2.20	9.64
		SO ₂	0.23	1.01
3	Clark TLAB-6 Engine	NO _x	44.05	192.94
		CO	8.81	38.59
		VOC	2.20	9.64
		SO ₂	0.23	1.01
4	IR-SVG-8 Engine	NO _x	18.41	80.64
		CO	0.68	2.98
		VOC	0.48	2.10
		SO ₂	0.70	3.10
5	IR-SVG-8 Engine	NO _x	18.41	80.64
		CO	0.68	2.98
		VOC	0.48	2.10
		SO ₂	0.70	3.10
6	Hot Oil Heater	NO _x	1.66	7.27
		CO	0.42	1.84
		VOC	0.03	0.13
		SO ₂	0.01	0.04

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			lb/hr	TPY
		PM ₁₀	0.06	0.26
9	Process/Emergency Flare (5) (2/98)	NO _x	0.08	0.40
		CO	1.10	4.80
		VOC	<0.01	<0.01
		SO ₂ (2/98)	39.74	174.10
		H ₂ S (2/98)	0.43	1.88
10A	IR-KVS-8 Engine	NO _x	43.94	192.46
		CO	2.93	12.83
		VOC	1.50	6.40
		SO ₂	0.17	0.74
10B	IR-KVS-8	NO _x	43.94	192.46
		CO	2.93	12.83
		VOC	1.50	6.40
		SO ₂	0.17	0.74
11	Glycol Reboiler	NO _x	0.55	2.41
		CO	0.140	0.61
		VOC	0.01	0.04
		PM ₁₀	0.02	0.09
		SO ₂	<.01	<.01
14	Glycol Still Vent	Benzene	0.34	1.47
		VOC	9.42	41.33
21	Cooper-Bessemer Engine (10/98)	NO _x	21.89	59.91
		CO	32.83	89.87
		VOC	10.94	29.96
		SO ₂	0.26	1.14
22	Cooper-Bessemer Engine (10/98)	NO _x	21.89	59.91
		CO	32.83	89.87
		VOC	10.94	29.96

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
		SO ₂	0.26	1.14
23	Cooper-Bessemer Engine (10/98)	NO _x	21.89	59.91
		CO	32.83	89.87
		VOC	10.94	29.96
		SO ₂	0.26	1.14
26	Heater	NO _x	1.95	8.54
		CO	1.12	4.91
		VOC	0.09	0.39
		SO ₂	0.02	0.09
		PM ₁₀	0.16	0.70
29	Process/Emergency Flare (5) (10/98)	NO _x	0.12	0.53
		CO	1.02	4.47
		VOC	<0.10	<0.10
NGLFUG	Fugitives (4)	VOC	9.08	39.76
		H ₂ S	0.04	0.20
CO2FUG	Fugitives (4) (10/98)	VOC	9.33	41.07
		H ₂ S	1.27	5.67

(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

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

PM₁₀ - particulate matter (PM) less than 10 microns in diameter.

Where PM is not listed, it shall be

assumed that no particulate matter greater than 10 microns is

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emitted.

H₂S - hydrogen sulfide

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- 5) Process and/or upset emissions may be emitted from either Process/Emergency Flare, Emission Point Nos. 9 or 29. **(10/98)**

* 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_____

Dated_____