

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 20660 and PSDTX795M2

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**
1	Cooper-Bessemer Engine Model GMVH-12 2,400-hp	NO _x	15.86	46.31
		CO	15.86	46.31
		VOC	2.71	11.87
		SO ₂	0.01	0.06
		PM ₁₀ /PM _{2.5}	1.08	4.75
2	Clark Engine Model TLAB-6 2,000-hp	NO _x	84.58	308.72
		CO	8.99	32.80
		VOC	1.95	8.56
		SO ₂	0.31	1.12
		PM ₁₀ /PM _{2.5}	0.79	3.45
3	Clark Engine Model TLAB-6 2,000-hp	NO _x	84.58	308.72
		CO	8.99	32.80
		VOC	1.95	8.56
		SO ₂	0.31	1.12
		PM ₁₀ /PM _{2.5}	0.79	3.45
6	Hot Oil Heater 17 MMBtu/hr	NO _x	1.68	7.36
		CO	1.41	6.18
		VOC	0.09	0.40
		SO ₂	0.01	0.04
		PM ₁₀ /PM _{2.5}	0.13	0.56
10A	Ingersoll-Rand Engine Model IR-KVS-8 1,330-hp	NO _x	59.31	216.49
		CO	3.49	12.73
		VOC	1.76	7.64
		SO ₂	0.33	1.20
		PM ₁₀ /PM _{2.5}	0.12	0.43

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

10B	Ingersoll-Rand Engine Model IR-KVS-8 1,330-hp	NO _x	59.31	216.49
		CO	3.49	12.73
		VOC	1.76	7.64
		SO ₂	0.33	1.20
		PM ₁₀ /PM _{2.5}	0.12	0.43
11	Glycol Reboiler 9.3 MMBtu/hr	NO _x	0.91	4.00
		CO	0.77	3.36
		VOC	0.05	0.22
		SO ₂	0.01	0.02
		PM ₁₀ /PM _{2.5}	0.07	0.30
14	Glycol Still Vent	VOC	6.00	20.00
		Benzene	0.25	0.70
21	Cooper-Bessemer Engine Model GMVH-12C2 2,700-hp	NO _x	17.84	52.10
		CO	17.84	52.10
		VOC	1.87	8.17
		SO ₂	0.01	0.04
		PM ₁₀ /PM _{2.5}	0.75	3.27
22	Cooper-Bessemer Engine Model GMVH-12C2 2,700-hp	NO _x	17.84	52.10
		CO	17.84	52.10
		VOC	1.87	8.17
		SO ₂	0.01	0.04
		PM ₁₀ /PM _{2.5}	0.75	3.27
23	Cooper-Bessemer Engine Model GMVH-12C2 2,700-hp	NO _x	17.84	52.10
		CO	17.84	52.10
		VOC	1.87	8.17
		SO ₂	0.01	0.04
		PM ₁₀ /PM _{2.5}	0.75	3.27

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

26	Hot Oil Heater 39 MMBtu/hr	NO _x	2.34	10.25
		CO	3.21	14.07
		VOC	0.21	0.92
		SO ₂	0.02	0.10
		PM ₁₀ /PM _{2.5}	0.29	1.27
FLARE3	Flare	NO _x	4.37	--
		CO	37.20	--
		VOC	42.82	--
		SO ₂	50.48	--
		PM ₁₀ /PM _{2.5}	0.55	--
29	Flare	NO _x	4.37	--
		CO	37.20	--
		VOC	42.82	--
		SO ₂	50.48	--
		PM ₁₀ /PM _{2.5}	0.55	--
FLARE3 and 29	Flares Combined Annual Limits	NO _x	--	15.85
		CO	--	135.80
		VOC	--	156.31
		SO ₂	--	184.24
		PM ₁₀ /PM _{2.5}	--	2.00
30	TP Glycol Reboiler 15 MMBtu/hr	NO _x	1.48	6.47
		CO	1.24	5.44
		VOC	0.08	0.36
		SO ₂	0.01	0.04
		PM ₁₀ /PM _{2.5}	0.11	0.49
NGLFUG	Fugitives (4)	VOC	9.08	39.76
		H ₂ S	0.04	0.20
CO2FUG	Fugitives (4)	VOC	9.33	41.07
		H ₂ S	1.27	5.67
VRUFUG	VRU Fugitives (4)	VOC	0.05	0.22
		H ₂ S	0.01	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, area name or fugitive source name.
- (3)
 - NO_x - total oxides of nitrogen
 - CO - carbon monoxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - SO₂ - sulfur dioxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - 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:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

- ** Compliance with annual emission limits is based on a rolling 12-month period.

Dated September 7, 2010