EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 20660 and PSD-TX-795M2

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	Cooper-Bessemer Engine Model GMVH-12 2,400-hp	NO_x	44.40	162.06
		CO	6.35	23.17
		VOC	6.35	23.17
		SO_2	0.36	1.31
		PM_{10}	0.62	2.25
2	Clark Engine Model TLAB-6 2,000-hp	NO_x	84.58	308.72
		CO	8.99	32.80
		VOC	1.32	4.80
		SO_2	0.31	1.12
		PM_{10}	0.53	1.93
3	Clark Engine Model TLAB-6 2,000-hp	NO_x	84.58	308.72
		CO	8.99	32.80
		VOC	1.32	4.80
		SO_2	0.31	1.12
		PM_{10}	0.53	1.93
4	Ingersoll-Rand Engine Model IR-SVG-8 440-hp	NO_x	18.41	80.64
		CO	0.68	2.98
		VOC	0.48	2.10
		SO_2	0.70	3.10
		PM_{10}	<0.01	<0.01
5	Ingersoll-Rand Engine Model IR-SVG-8 440-hp	NO_x	18.41	80.64
		CO	0.68	2.98
		VOC	0.48	2.10
		SO_2	0.70	3.10
		PM_{10}	<0.01	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
6	Hot Oil Heater	NO_x	1.68	7.36
	17 MMBtu/hr	CO	1.41	6.18
		VOC	0.09	0.40
		SO_2	0.01	0.04
		PM_{10}	0.13	0.56
10A	Ingersoll-Rand Engine	NO_x	59.31	216.49
	Model IR-KVS-8	CO	3.49	12.73
	1,330-hp	VOC	1.76	7.64
		SO_2	0.33	1.20
		PM_{10}	0.12	0.43
10B	Ingersoll-Rand Engine	NO_x	59.31	216.49
	Model IR-KVS-8	CO	3.49	12.73
	1,330-hp	VOC	1.76	7.64
		SO_2	0.33	1.20
		PM_{10}	0.12	0.43
11	Glycol Reboiler	NO_x	0.91	3.98
	9.3 MMBtu/hr	CO	0.76	3.34
		VOC	0.05	0.22
		SO_2	0.01	0.02
		PM_{10}	0.07	0.30
14	Glycol Still Vent	VOC (5)	6.00	20.00
		Benzene	0.25	0.70
21	Cooper-Bessemer Engine	NO_x	21.89	59.91
	Model GMVH-12C2	CO	32.83	89.87
	3,105-hp	VOC	10.94	29.96
		SO_2	0.26	1.14
		PM_{10}	1.09	4.79

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
22	Cooper-Bessemer Engine	NO_x	21.89	59.91
	Model GMVH-12C2	CO	32.83	89.87
	3,105-hp	VOC	10.94	29.96
		SO_2	0.26	1.14
		PM_{10}	1.09	4.79
23	Cooper-Bessemer Engine	NO_x	21.89	59.91
	Model GMVH-12C2	CO	32.83	89.87
	3,105-hp	VOC	10.94	29.96
		SO_2	0.26	1.14
		PM_{10}	1.09	4.79
26	Hot Oil Heater	NO_x	2.34	10.25
	39 MMBtu/hr	CO	3.21	14.07
		VOC	0.21	0.92
		SO_2	0.02	0.10
		PM_{10}	0.29	1.27
FLARE3	Flare	NO_x	4.37	--
		CO	37.20	--
		VOC	42.82	--
		SO_2	50.48	--
		H_2S	0.55	--
29	Flare	NO_x	4.37	--
		CO	37.20	--
		VOC	42.82	--
		SO_2	50.48	--
		H_2S	0.55	--
FLARE3 and 29	Flares	NO_x	–	15.85
	Combined Annual Limits	CO	--	135.80
		VOC	--	156.31
		SO_2	--	184.24
		H_2S	--	2.00

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
30	HP TEG Firebox 15 MMBtu/hr	NO_x	1.47	6.44
		CO	1.24	5.41
		VOC	0.08	0.35
		SO_2	0.01	0.04
		PM_{10}	0.11	0.49
NGLFUG	Fugitives (4)	VOC	9.08	39.76
		H_2S	0.04	0.20
CO2FUG	Fugitives (4)	VOC	9.33	41.07
		H_2S	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 as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
PM_{10} - 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 emitted.
H_2S - hydrogen sulfide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Total VOC includes the benzene emissions at this emission point number..

* 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 8,760

Dated August 1, 2008