EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19592

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**
Source 80	Regeneration Heater	VOC	0.01	0.01
		NO_x	0.74	3.23
		SO_2	0.01	0.02
		PM	0.06	0.25
		CO	0.62	2.72
Source 81	Hot Oil Heater	VOC	0.01	0.01
		NO_x	1.14	5.00
		SO_2	0.01	0.03
		PM	0.06	0.21
		CO	0.34	1.50
Source 82	Amine Heater	VOC	0.01	0.01
		NO_x	0.40	1.75
		SO_2	0.01	0.01
		PM	0.02	0.09
		CO	0.08	0.35
Source 83	Amine Heater	VOC	0.01	0.01
		NO_x	0.40	1.75
		SO_2	0.01	0.01
		PM	0.02	0.09
		CO	0.08	0.35
Source 84	Amine Heater	VOC	0.01	0.01
		NO_x	0.40	1.75
		SO_2	0.01	0.01
		PM	0.02	0.09
		CO	0.08	0.35

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
Source 85	Incinerator	VOC	0.01	0.10
		NO_x	0.62	2.71
		SO_2	8.70	38.12
		H_2S 0.03	0.13	
		PM	0.01	0.04
		CO	0.13	0.55
Source 40	Emergency Flare (5)	VOC	0.50	0.01
		NO_x	0.50	0.01
		SO_2	4.50	0.10
		H_2S	0.05	0.01
Source 40	Emergency Flare (6)	H_2S	2.00	8.70
Fug-1	Plant Fugitives (4)	VOC	5.45	23.86
Eng-A6	Waukesha L7402GSl	VOC	0.01	0.03
	Compressor A6 Engine	NO_x	6.53	28.59
		SO_2 0.01	0.03	
		PM_{10} 0.01	0.04	
		CO 9.79	42.88	
Eng-A7	Clark HLA-8	VOC	0.26	1.12
	Compressor A7 Engine	NO_x	8.82	38.63
		SO_2 0.01	0.04	
		PM_{10} 0.09	0.39	
		CO 22.05	96.58	
Eng-A8	Caterpillar 3516LE	VOC	0.07	0.32
	Compressor A8 Engine	NO_x	4.79	20.96
		SO_2 0.01	0.02	
		PM_{10} 0.05	0.21	
		CO 7.18	31.44	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates * lb/hr	Emission Rates * TPY**
Eng-B9	Ingersoll-Rand 412KVS Compressor B9 Engine		VOC	0.22	0.95
			NO_x	9.13	38.60
		SO_2	0.01	0.04	
		PM_{10}	0.01	0.01	
		CO	21.03	92.10	
Comp-B10	Waukesha L7042GSI Refrigeration B10 Engine		VOC	0.01	0.03
			NO_x	6.52	28.55
		SO_2	0.01	0.03	
		PM_{10}	0.01	0.04	
		CO	9.78	42.82	
Comp-B11	Waukesha L7042GSI Refrigeration B11 Engine		VOC	0.01	0.03
			NO_x	6.52	28.55
		SO_2	0.01	0.03	
		PM_{10}	0.01	0.04	
		CO	9.78	42.82	
Eng-B12	Caterpillar G3612LE Compressor B12 Engine		VOC	1.99	8.68
			NO_x	14.71	64.41
		SO_2	0.02	0.07	
		PM_{10}	0.01	0.01	
		CO	22.06	96.62	
Eng-B13	Caterpillar G3612LE Compressor B13 Engine		VOC	1.99	8.68
			NO_x	14.71	64.41
		SO_2	0.02	0.07	
		PM_{10}	0.01	0.01	
		CO	22.06	96.62	
Gen-1	Waukesha L7042GSI Generator Engine		VOC	0.01	0.03
			NO_x	5.79	25.63

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates * lb/hr	TPY**
		SO_2	0.06	0.26	
		PM_{10}	0.01	0.01	
		CO	8.78	38.45	
Gen-2	Waukesha L7042GSl Generator Engine		VOC	0.01	0.03
			NO_x	5.79	25.63
		SO_2	0.06	0.26	
		PM_{10}	0.01	0.01	
		CO	8.78	38.45	
Gen-3	Waukesha L7042GSl Generator Engine		VOC	0.01	0.03
			NO_x	5.79	25.63
		SO_2	0.06	0.26	
		PM_{10}	0.01	0.01	
		CO	8.78	38.45	
Regen-2	Regeneration Heater No. 2		VOC	0.01	0.01
		NO_x	0.20	0.88	
		SO_2	0.01	0.01	
		PM_{10}	0.02	0.07	
		CO	0.17	0.74	
Regen-3	Regeneration Heater No. 3		VOC	0.01	0.01
		NO_x	0.37	1.61	
		SO_2	0.01	0.01	
		PM_{10}	0.03	0.13	
		CO	0.31	1.36	
Flare-2	Flare No. 2		VOC	2.00	8.67
		NO_x	0.43	1.86	
		CO	0.87	3.72	
Fug-2	Plant Fugitives (4)		VOC	2.28	9.96

	H_2S	0.01	0.01

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

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(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter (PM) 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.
CO - carbon monoxide
H_2S - hydrogen sulfide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Except for continuous pilot gas combustion H_2S emissions, the emission allowables are based on and the facility is limited by the following maximum operating schedule: 44 hrs/yr
(6) When not in flare mode, the flare stack may be used to vent no more than the maximum emission rate of H_2S specified.

* 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 _ Hrs/year

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

Dated _____