EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20205

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**
GC-100	Waukesha 2,587 bhp Natural Gas-Fired Compressor Engine	CO	14.24	
		NO_x	8.54	
		PM_{10}	0.20	
		SO_2	0.01	
		VOC	2.27	
GC-200	Waukesha 2,587 bhp Natural Gas-Fired Compressor Engine	CO	14.24	
		NO_x	8.54	
		PM_{10}	0.20	
		SO_2	0.01	
		VOC	2.27	
GC-300	Waukesha 2,587 bhp Natural Gas-Fired Compressor Engine	CO	14.24	
		NO_x	8.54	
		PM_{10}	0.20	
		SO_2	0.01	
		VOC	2.27	
GC-400	Caterpillar 3,335 bhp Natural Gas-Fired Compressor Engine	CO	13.95	
		NO_x	5.14	
		PM_{10}	0.25	
		SO_2	0.02	
		VOC	2.06	
GC-500	Caterpillar 3,335 bhp Natural Gas-Fired Compressor Engine	CO	13.95	
		NO_x	5.14	
		PM_{10}	0.25	
		SO_2	0.02	
		VOC	2.06	

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
GC-600	Wartsila 7,605 bhp Natural Gas-Fired Compressor Engine	CO	11.73	
		NO_x	11.73	
		PM_{10}	0.54	
		SO_2	0.04	
		VOC	6.68	
	Total annual emission cap from any combination of the six engines			
	Natural Gas-Fired Compressor Engine Annual Emission Cap	CO		0.0
		NO_x		0.0
		PM_{10}	0.0	
		SO_2		0.0
		VOC	0.0	
D-680	Triethylene Glycol Tank	VOC	0.01	0.01
D-940A	Storm Water Tank	VOC	0.40	0.01
D-940B	Storm Water Tank	VOC	0.40	0.01
D-950	Ethylene Glycol Tank	VOC	0.01	0.01
D-960	Lube Oil Tank	VOC	0.14	0.01
D-966	Lube Oil Tank	VOC	0.40	0.01
D-980	Diesel Tank	VOC	0.40	0.01
DG-1	Standby Generator Engine (100 hours per year operation only)	CO	2.71	0.14
		NO_x	12.57	0.63
		PM_{10}	0.05	0.88
		SO_2	0.83	0.04
		VOC	1.03	0.05

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY**
F-1	Truck Loading Losses	VOC	76.09	0.34
MG-PW	Parts Washer	VOC	2.25	0.41
R-610	Glycol Reboiler	CO	0.22	0.93
		NO_x	0.26	1.10
		PM_{10}	0.02	0.08
		SO_2	0.01	0.01
		VOC (5)	0.07	0.27
F-2	Plant Process Fugitives (4)	VOC	2.01	7.31

(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.
(3) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM_{10} - particulate matter equal to or less than 10 microns in diameter.
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) This includes the post control VOC emissions sent to the glycol reboiler firebox from the glycol dehydrator regenerator vent.

* 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

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

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AIR CONTAMINANTS DATA

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