EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 53021

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**
EXHSTKC1	660-HP Compressor Engine Clark RA-6			
EXHSTKC2	660-HP Compressor Engine Clark RA-6			
EXHSTKC3	660-HP Compressor Engine Clark RA-6			
EXHSTKC4	660-HP Compressor Engine Clark RA-6			
EXHSTKC5	660-HP Compressor Engine Clark RA-6			
EXHSTKC7	660-HP Compressor Engine Clark RA-6			
EXHSTKC8	660-HP Compressor Engine Clark RA-6			
EXHSTKC9	660 HP Compressor Engine Clark RA-6			
	Hourly and Annual Emission Caps Engines C (1 through 5 and 7 through 9)	CO	31.68	138.96
		NO_x	247.44	1083.60
		PM_{10}	2.56	11.20
		SO_2	0.08	0.16
		VOC	6.32	27.76

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY**
EXHSTKC10	440-HP Compressor Engine Clark HRA-4	CO	6.78	29.71
		NO_x	24.42	106.97
		PM_{10} 0.17	0.74	
		SO_2 0.01	0.01	
		VOC 1.16	5.09	
EXHSTKC11	880-HP Compressor Engine Clark HRA-8			
EXHSTKC12	880-HP Compressor Engine Clark HRA-8			
EXHSTKC13	880-HP Compressor Engine Clark HRA-8			
EXHSTKC14	880-HP Compressor Engine Clark HRA-8			
EXHSTKC15	880-HP Compressor Engine Clark HRA-8			
	Hourly and Annual Emission Caps Engines C11 through C15	CO	67.85	297.15
		NO_x	244.25	1069.70
		PM_{10} 2.15	9.30	
		SO_2 0.05	0.10	
		VOC 11.65	50.95	
EXHSTKC16	2000-HP Compressor Engine Ingersol B412KVS			
EXHSTKC17	1000-HP Compressor Engine Ingersol 36KVS			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY**
	Hourly and Annual Emission Caps	CO	19.83	86.83
	Engines C16 and C17	NO_x	206.16	903.00
		PM_{10} 0.28	1.20	
		SO_2 0.02	0.07	
		VOC 3.96	17.37	
EXHSTKC19	748-HP Compressor Engine (5)	CO	6.13	26.84
	Waukesha L7042GU	NO_x	22.90	100.31
		PM_{10} 0.12	0.54	
		SO_2 0.01	0.02	
		VOC 0.82	3.61	
	(2.0 g NO_x/bhp hr) (6)	CO	4.94	21.65
		NO_x	3.30	14.43
		PM_{10} 0.12	0.54	
		SO_2 0.01	0.02	
		VOC 0.82	3.61	
EXHSTKRC51	Solar T-1000 Turbine	CO	0.90	3.95
		NO_x	3.52	15.42
		PM_{10} 0.07	0.32	
		SO_2 0.04	0.16	
		VOC 0.02	0.10	
EXHSTKRC52	Solar T-1000 Turbine	CO	0.90	3.95
		NO_x	3.52	15.42
		PM_{10} 0.07	0.32	
		SO_2 0.04	0.16	
		VOC 0.02	0.10	
EXHSTKG77	748-HP Generator Engine (5)	CO	7.37	32.30
	Waukesha L7042GU	NO_x	27.56	120.69
		PM_{10} 0.15	0.65	
		SO_2 0.01	0.02	
		VOC 0.99	4.34	
	(2.0 g NO_x/bhp hr) (6)	CO	5.95	26.05

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates * lb/hr	Emission Rates * TPY**
			NO_x	3.96	17.37
		PM_{10}	0.15	0.65	
		SO_2	0.01	0.02	
		VOC	0.99	4.34	
EXHSTKG78	748-HP Generator Engine (5)		CO	7.37	32.30
	Waukesha L7042GU		NO_x	27.56	120.69
		PM_{10}	0.15	0.65	
		SO_2	0.01	0.02	
		VOC	0.99	4.34	
	(2.0 g NO_x/bhp hr) (6)		CO	5.95	26.05
			NO_x	3.96	17.37
		PM_{10}	0.15	0.65	
		SO_2	0.01	0.02	
		VOC	0.99	4.34	
EXHSTKG79	748-HP Generator Engine (5)		CO	7.37	32.30
	Waukesha L7042GU		NO_x	27.56	120.69
		PM_{10}	0.15	0.65	
		SO_2	0.01	0.02	
		VOC	0.99	4.34	
	(2.0 g NO_x/bhp hr) (6)		CO	5.95	26.05
			NO_x	3.96	17.37
		PM_{10}	0.15	0.65	
		SO_2	0.01	0.02	
		VOC	0.99	4.34	
EXHSTKH1	Heater No. 1		CO	1.36	5.98
		NO_x	1.62	7.11	
		PM_{10}	0.12	0.54	
		SO_2	0.01	0.04	
		VOC	0.09	0.39	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY**
EXHSTKH2	Heater No. 2	CO	1.36	5.98
		NO_x 1.62	7.11	
		PM_{10} 0.12	0.54	
		SO_2 0.01	0.04	
		VOC 0.09	0.39	
EXHSTKH3	Heater No. 3	CO	1.41	6.18
		NO_x 1.68	7.36	
		PM_{10} 0.13	0.56	
		SO_2 0.01	0.04	
		VOC 0.09	0.40	
EXHSTKH4	Heater No. 4	CO	0.24	1.03
		NO_x 0.28	1.23	
		PM_{10} 0.02	0.09	
		SO_2 0.01	0.01	
		VOC 0.02	0.07	
EXHSTKH5	Heater No. 5	CO	1.39	6.12
		NO_x 1.66	7.29	
		PM_{10} 0.13	0.55	
		SO_2 0.01	0.04	
		VOC 0.02	0.07	
EXHSTKB1	Boiler No. 1	CO	2.36	10.34
		NO_x 2.81	12.32	
		PM_{10} 0.21	0.94	
		SO_2 0.02	0.07	
		VOC 0.15	0.68	
EXHSTKGR30	Glycol Heater	CO	0.07	0.31
		NO_x 0.08	0.37	
		PM_{10} 0.01	0.03	
		SO_2 0.01	0.01	
		VOC 0.01	0.02	

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**

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**
EXHSTKGR80	Glycol Heater	CO	0.12	0.52
		NO_x	0.14	0.61
		PM_{10}	0.01	0.05
		SO_2	0.01	0.01
		VOC	0.01	0.03
VENTGR3080	Dehydrator 30 Still Vent	VOC	0.97	4.27
VENTGR3080	Dehydrator 80 Still Vent	VOC	1.56	6.82
VENTGRROD	Rodessa Dehydrator Still Vent	VOC	0.10	0.44
FUGITIVES	Process Fugitives (4)	VOC	7.63	33.41

(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 (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.
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in the 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) Emission prior to the emission control
(6) Emissions after the emission control

* 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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

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

Dated August 4, 2004