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, sources, and related activities. 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	
			lbs/hour	TPY (4)
Eng-A13	Caterpillar G3608TALE Compressor A13 Engine	CO	3.68	16.11
		NO_x	9.81	42.97
		PM_{10}	0.16	0.68
		SO_2	0.01	0.04
		VOC	1.29	5.64
Eng-A14	Caterpillar G3608TALE Compressor A14 Engine	CO	3.68	16.11
		NO_x	9.81	42.97
		PM_{10}	0.16	0.68
		SO_2	0.01	0.04
		VOC	1.29	5.64
Eng-B10	Waukesha L7042GSI Refrigeration B10 Engine	CO	9.78	42.82
		NO_x	6.52	28.55
		PM_{10}	0.23	0.98
		SO_2	0.01	0.03
		VOC	0.34	1.50
Eng-B11	Waukesha L7042GSI Refrigeration B11 Engine	CO	9.78	42.82
		NO_x	6.52	28.55
		PM_{10}	0.23	0.98
		SO_2	0.01	0.03
		VOC	0.34	1.50

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Eng-B12	Caterpillar G3612LETA-130 Compressor B12 Engine	CO	22.06	96.62
		NO_x	14.71	64.41
		PM_{10}	0.23	1.00
		SO_2	0.02	0.06
		VOC	1.99	8.68
Eng-B13	Caterpillar G3612LETA-130 Compressor B13 Engine	CO	22.06	96.62
		NO_x	14.71	64.41
		PM_{10}	0.23	1.00
		SO_2	0.02	0.06
		VOC	1.99	8.68
Eng-B14	Waukesha L7042GSI Refrigeration B14 Engine	CO	9.78	42.82
		NO_x	6.52	28.55
		PM_{10}	0.23	0.98
		SO_2	0.01	0.03
		VOC	0.34	1.50
Eng-B15	Waukesha 12V-AT27GL Compressor B15 Engine	CO	4.23	18.50
		NO_x	13.52	59.20
		PM_{10}	0.21	0.90
		SO_2	0.02	0.06
		VOC	0.77	3.37
Eng-B16	Waukesha 12V-AT27GL Compressor B16 Engine	CO	4.23	18.50
		NO_x	13.52	59.20
		PM_{10}	0.21	0.90
		SO_2	0.02	0.06
		VOC	0.77	3.37

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Eng-B20	Caterpillar G3608TALE Compressor B20 Engine	CO	3.68	16.11
		NO_x	9.81	42.97
		PM_{10}	0.16	0.68
		SO_2	0.01	0.04
		VOC	1.29	5.64
Eng-B21	Caterpillar G3608TALE Compressor B21 Engine	CO	3.68	16.11
		NO_x	9.81	42.97
		PM_{10}	0.16	0.68
		SO_2	0.01	0.04
		VOC	1.29	5.64
Flare-2	Flare No. 2	CO	0.85	3.72
		NO_x	0.42	1.83
		SO_2	0.01	0.01
		VOC	1.47	6.41
Gen-1	Waukesha L7042GSI Generator Engine	CO	8.78	38.45
		NO_x	5.86	25.63
		PM_{10}	0.21	0.91
		SO_2	0.01	0.03
		VOC	0.01	0.03
Gen-2	Waukesha L7042GSI Generator Engine	CO	8.78	38.45
		NO_x	5.86	25.63
		PM_{10}	0.21	0.91
		SO_2	0.01	0.03
		VOC	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Gen-3	Waukesha L7042GSI Generator Engine	CO	8.78	38.45
		NO_x	5.86	25.63
		PM_{10}	0.21	0.91
		SO_2	0.01	0.03
		VOC	0.01	0.03
HtrTrtr-1	Heater Treater	CO	0.04	0.16
		NO_x	0.05	0.19
		PM_{10}	0.01	0.01
		SO_2	0.01	0.01
		VOC	0.01	0.01
Regen-2	Regeneration Heater No. 2	CO	0.17	0.74
		NO_x	0.20	0.88
		PM_{10}	0.02	0.07
		SO_2	0.01	0.01
		VOC	0.01	0.05
Regen-3	Regeneration Heater No. 3	CO	0.31	1.36
		NO_x	0.37	1.61
		PM_{10}	0.03	0.13
		SO_2	0.01	0.01
		VOC	0.02	0.09
Source 40	Process Flare (Steady State Service)	CO	0.72	3.13
		H_2S	0.01	0.01
		NO_x	0.25	1.09
		SO_2	0.01	0.01
		VOC	0.74	3.24

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Source 40	Process Flare (Start-up, Shutdown, and Maintenance)	CO	252.88	25.47
		H_2S	0.01	0.01
		NO_x	86.01	8.19
		SO_2	0.84	0.09
		VOC	154.29	11.70
Source 80	Regeneration Heater No. 1	CO	0.62	2.72
		NO_x	0.74	3.23
		PM_{10}	0.06	0.25
		SO_2	0.01	0.02
		VOC	0.05	0.18
Source 81	Hot Oil Heater	CO	0.78	3.39
		NO_x	0.92	4.03
		PM_{10}	0.07	0.31
		SO_2	0.01	0.03
		VOC	0.06	0.23
Source 82	Amine Heater	CO	0.33	1.45
		NO_x	0.40	1.72
		PM_{10}	0.03	0.13
		SO_2	0.01	0.01
		VOC	0.03	0.10
Source 83	Amine Heater	CO	0.33	1.45
		NO_x	0.40	1.72
		PM_{10}	0.03	0.13
		SO_2	0.01	0.01
		VOC	0.03	0.10

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Source 84	Amine Heater	CO	0.33	1.45
		NO_x	0.40	1.72
		PM_{10}	0.03	0.13
		SO_2	0.01	0.01
		VOC	0.03	0.10
Source 85	Incinerator	CO	0.52	2.28
		H_2S	0.03	0.13
		NO_x	0.62	2.71
		PM_{10}	0.05	0.21
		SO_2	8.70	38.12
		VOC	0.03	0.11
Source 85	Incinerator - Not lit (6)	H_2S	4.00	17.00
		VOC	2.30	9.75
Fug-1	Plant Fugitives (5)	H_2S	0.01	0.01
		VOC	3.63	15.88

(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) H_2S - hydrogen sulfide
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_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
CO - carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) This facility is authorized in Permit by Rule Registration Number 48308 and it is included for reference.

Date: February 21, 2018