Emission Sources - Maximum Allowable Emission Rates

Permit Number 20699

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)
A	Compressor Engine Waukesha L7042GSI 1230 HP	VOC	2.71	11.88
		NO_x	5.42	23.75
		CO	5.42	23.75
		SO_2	0.01	0.01
		PM_{10}	0.20	0.89
B	Compressor Engine Caterpillar 3306TA 195 HP	VOC	0.19	0.85
		NO_x	8.16	35.72
		CO	0.60	2.62
		SO_2	0.01	0.01
		PM_{10}	0.03	0.14
C	Compressor Engine Caterpillar 399TA 730 HP	VOC	1.61	7.05
		NO_x	3.22	14.10
		CO	4.02	17.62
		SO_2	0.01	0.01
		PM_{10}	0.12	0.53
D	Compressor Engine Caterpillar 399TA 730 HP	VOC	1.61	7.05
		NO_x	3.22	14.10
		CO	4.02	17.62
		SO_2	0.01	0.01

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		PM_{10}	0.12	0.53
E	Compressor Engine Caterpillar 398TA 625 HP	VOC	1.38	6.04
		NO_x	2.76	12.07
		CO	2.76	12.07
		SO_2	0.01	0.01
		PM_{10}	0.10	0.45
F	Compressor Engine Caterpillar 398TA 625 HP	VOC	1.38	6.04
		NO_x	2.76	12.07
		CO	2.76	12.07
		SO_2	0.01	0.01
		PM_{10}	0.10	0.45
G	Compressor Engine Caterpillar 398TA 620 HP	VOC	1.32	5.79
		NO_x	2.65	11.59
		CO	2.65	11.59
		SO_2	0.01	0.01
		PM_{10}	0.10	0.43
H	Amine Regeneration Heater Loveco 3.16 MMBtu/hr	VOC	0.02	0.08
		NO_x	0.32	1.41
		CO	0.27	1.19
		SO_2	0.01	0.01
		PM_{10}	0.02	0.11
J	Process Flare	VOC	0.06	0.28
		NO_x	0.26	1.13
		CO	0.52	2.26
K	Amine Reboiler	VOC	0.02	0.07

Emission Sources - Maximum Allowable Emission Rates

		NO_x	0.30	1.31
		CO	0.25	1.10
		SO_2	0.01	0.01
		PM_{10}	0.02	0.10
L	Amine Reboiler	VOC	0.02	0.07
		NO_x	0.30	1.31
		CO	0.25	1.10
		SO_2	0.01	0.01
		PM_{10}	0.02	0.10
M	Compressor Engine Caterpillar 3516 1150 HP	VOC	0.38	1.67
		NO_x	5.07	22.21
		CO	7.61	33.31
		SO_2	0.01	0.01
		PM_{10}	0.19	0.83
N	Compressor Engine Caterpillar 3516 1150 HP	VOC	0.38	1.67
		NO_x	5.07	22.21
		CO	7.61	33.31
		SO_2	0.01	0.01
		PM_{10}	0.19	0.83
Fug	VOC Fugitives (5)	VOC	1.13	4.94
O	Methanol Tank	VOC	0.01	0.01
P	Gasoline Tank	VOC	0.24	1.03
R	Amine Liquid Treater	VOC	1.90	8.32
		Benzene	0.053	0.234
		Ethylbenzene	0.047	0.207

Emission Sources - Maximum Allowable Emission Rates

SITEWIDE	Sitewide Sources	Individual HAP Total HAPs		< 10.00 < 25.00

(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
CO - carbon monoxide
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM_{10} - total particulate matter equal to or less than 10 microns in diameter.
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
(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.

Date: February 3, 2014