Emission Sources - Maximum Allowable Emission Rates

Permit Number 9869A

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)
1	Internal Combustion Engine White 8G825 w/cc 800-hp (formerly PBR 47284)	VOC	0.14	0.62
		NO_x	3.53	15.45
		CO	5.29	23.18
		SO_2	0.01	0.02
		PM_{10}	0.13	0.58
4	Internal Combustion Engine White 8G825 w/cc 800-hp (formerly PBR 47284)	VOC	0.14	0.62
		NO_x	3.53	15.45
		CO	5.29	23.18
		SO_2	0.01	0.02
		PM_{10}	0.13	0.58
16A	Internal Combustion Engine Caterpillar 3516TA 1,150-hp	VOC	3.80	16.66
		NO_x	12.68	55.53
		CO	5.07	22.21
		SO_2	0.01	0.03
		PM_{10}	0.19	0.83
16B	Internal Combustion Engine Caterpillar 399TA-LCR 730-hp, w/cc	VOC	0.81	3.53
		NO_x	3.22	14.10
		CO	4.02	17.62

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		SO_2	0.01	0.02
		PM_{10}	0.13	0.58
17	Internal Combustion Engine Caterpillar 3516TA 1,150-hp	VOC	3.80	16.66
		NO_x	12.68	55.53
		CO	5.07	22.21
		SO_2	0.01	0.03
		PM_{10}	0.19	0.83
22	Mole Sieve Regeneration Heater (dehydration) 3 MMBtu/hr (formerly SE 66, 21073)	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
23	Amine Regeneration Heater 1.00 MMBtu/hr (added by amendment to Permit Number 9869A)	VOC	0.01	0.02
		NO_x	0.10	0.44
		CO	0.08	0.37
		SO_2	0.01	0.01
		PM_{10}	0.01	0.03
26	Internal Combustion Engine White 8G825, w/cc 800-hp (formerly SE 6, 28539)	VOC	1.76	7.73
		NO_x	3.53	15.45
		CO	5.29	23.18
		SO_2	0.01	0.02
		PM_{10}	0.13	0.58
28	Internal Combustion Engine Caterpillar 3306TA, w/cc 195-hp (formerly PBR 29643)	VOC	0.43	1.88
		NO_x	0.86	3.77

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		CO	0.86	3.77
		SO_2	0.01	0.01
		PM_{10}	0.03	0.14
29	Internal Combustion Engine Caterpillar 398TA, w/cc 550-hp (formerly PBR 29643)	VOC	1.21	5.31
		NO_x	2.43	10.62
		CO	3.64	15.93
		SO_2	0.01	0.02
		PM_{10}	0.09	0.39
30	Amine Regeneration Heater 1.70 MMBtu/hr Design Cap.	VOC	0.01	0.04
		NO_x	0.17	0.74
		CO	0.14	0.63
		SO_2	0.01	0.01
		PM_{10}	0.02	0.06
35	Internal Combustion Engine 1,232-hp Waukesha L7042GSI w/cc (formerly PBR 50571)	VOC	0.19	0.84
		NO_x	5.43	23.79
		CO	8.15	35.69
36	Internal Combustion Engine 1,232-hp Waukesha L7042GSI w/cc (formerly PBR 50571)	VOC	0.19	0.84
		NO_x	5.43	23.79
		CO	8.15	35.69
39	Amine Liquid Treater	VOC	1.29	5.66
		Benzene	0.03	0.13
		Ethyl Benzene	0.03	0.13
FL1	Process to Flare (Amine Unit, Closed Vent and Tank Truck Loading)	VOC	5.38	6.79
		NO_x	1.31	5.72

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		CO	2.61	11.42
		SO_2	20.68	90.58
		H_2S	0.22	0.98
FL1	Planned Maintenance to Flare	VOC	42.25	0.11
		NO_x	9.06	0.02
		CO	18.10	0.04
FUGVOC	VOC Fugitives (5)	VOC	7.85	34.40
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, including $PM_{2.5}$, as represented
H_2S - hydrogen sulfide
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: November 26, 2012