Emission Sources - Maximum Allowable Emission Rates

Permit Number 81228

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)
EPNs: C-301 to C-305 Pre-Catalyst Installation				
C-301	Caterpillar G3616 4,800 hp	NO_x	7.42	-
		CO	26.49	-
		VOC	9.52	-
		PM_{10}	0.36	-
		SO_2	0.02	-
C-302	Caterpillar G3616 4,800 hp	NO_x	7.42	-
		CO	26.49	-
		VOC	9.52	-
		PM_{10}	0.36	-
		SO_2	0.02	-
C-303	Caterpillar G3616 4,800 hp	NO_x	7.42	-
		CO	26.49	-
		VOC	9.52	-
		PM_{10}	0.36	-
		SO_2	0.02	-
C-304	Caterpillar G3616 4,800 hp	NO_x	7.42	-
		CO	26.49	-
		VOC	9.52	-
		PM_{10}	0.36	-
		SO_2	0.02	-
C-305	Caterpillar G3616 4,800 hp	NO_x	7.42	-
		CO	26.49	-
		VOC	9.52	-

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C-305	Caterpillar G3616 4,800 hp	PM_{10}	0.36	-
		SO_2	0.02	-
C-301 (6) C-302 C-303 C-304 C-305	Caterpillar G3616 - All Engines Annual Emission Cap	NO_x	-	50.22
		CO	-	179.36
		VOC	-	64.49
		PM_{10}	-	2.45
		SO_2	-	0.14
EPNs: C-301 to C-305 Post-Catalyst Installation				
C-301	Caterpillar G3616 4,735 hp	NO_x	7.31	-
		CO	2.87	-
		CO (MSS)	14.35	-
		VOC	0.71	-
		VOC (MSS)	5.17	-
		PM_{10}	0.36	-
		SO_2	0.02	-
C-302	Caterpillar G3616 4,735 hp	NO_x	7.31	-
		CO	2.87	-
		CO (MSS)	14.35	-
		VOC	0.71	-
		VOC (MSS)	5.17	-
		PM_{10}	0.36	-
		SO_2	0.02	-
C-303	Caterpillar G3616 4,735 hp	NO_x	7.31	-
		CO	2.87	-
		CO (MSS)	14.35	-
		VOC	0.71	-
		VOC (MSS)	5.17	-
C-303	Caterpillar G3616 4,735 hp	PM_{10}	0.36	-
		SO_2	0.02	-
C-304	Caterpillar G3616	NO_x	7.31	-

Emission Sources - Maximum Allowable Emission Rates

		CO	2.87	-
		CO (MSS)	14.35	-
		VOC	0.71	-
		VOC (MSS)	5.17	-
		PM_{10}	0.36	-
		SO_2	0.02	-
C-305	Caterpillar G3616 4,735 hp	NO_x	7.31	-
		CO	2.87	-
		CO (MSS)	14.35	-
		VOC	0.71	-
		VOC (MSS)	5.17	-
		PM_{10}	0.36	-
		SO_2	0.02	-
C-301 (6) C-302 C-303 C-304 C-305	Caterpillar G3616 - All Engines Annual Emission Cap	NO_x	-	127.88
		CO	-	50.24
		VOC	-	12.42
		PM_{10}	-	6.23
		SO_2	-	0.35
G-1050	Emergency Generator Caterpillar G3408 507 hp	NO_x	15.72	0.82
		CO	3.39	0.18
		VOC	1.48	0.07
		PM_{10}	1.12	0.06
		SO_2	1.04	0.05
H-501	Line Heater 10 MMBtu/hr	NO_x	0.98	0.34
		CO	0.82	0.29
		VOC	0.05	0.02
		PM_{10}	0.07	0.03
		SO_2	0.01	<0.01
H-502	Line Heater	NO_x	0.98	0.34

Emission Sources - Maximum Allowable Emission Rates

		CO	0.82	0.29
		VOC	0.05	0.02
		PM_{10}	0.07	0.03
		SO_2	0.01	<0.01
M-701	Dehydrator 2.5 MMBtu/hr	NO_x	0.24	0.44
		CO	0.21	0.37
		VOC	0.01	0.02
		PM_{10}	0.02	0.03
		SO_2	<0.01	<0.01
M-702	Dehydrator 1.9 MMBtu/hr	NO_x	0.19	0.33
		CO	0.16	0.28
		VOC	0.01	0.02
		PM_{10}	0.01	0.03
		SO_2	<0.01	<0.01
T-701	Triethylene Glycol Tank 16,800 gallon	VOC	<0.01	<0.01
T-800	Oil/Water Storage Tank 16,800 gallon	VOC	<0.01	<0.01
T-1600	Methanol Storage Tank 16,800 gallon	VOC	3.57	0.04
T-1810	Compressor Oil Storage Tank 1,600 gallon	VOC	<0.01	<0.01
T-1820	Coolant Storage Tank 1,600 gallon	VOC	<0.01	<0.01
T-1840	Diesel Storage Tank 1,600 gallon	VOC	0.06	<0.01
T-1860	Process Liquid Storage Tank 8,820 gallon	VOC	5.35	0.16
T-1870	Lube Oil Storage Tank 1,600 gallon	VOC	<0.01	<0.01
T-1900	Use Oil Storage Tank 500 gallon	VOC	2.00	0.02
T-LDG	Truck Loading	VOC	4.10	0.54
BD	Maintenance Blowdown	VOC	176.72	5.70

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F-01 (5)	Fugitive Emissions	VOC	0.16	0.69

(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
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM_{10} - particulate less than or equal to 10 microns
CO - carbon monoxide
MSS - maintenance, start-up, and shutdown emission rates
(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) Pound per hour and annual emission rate includes MSS emissions.

Date: _____