Emission Sources - Maximum Allowable Emission Rates

Permit Number 20205

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)
GC-100	Waukesha Compressor Engine 2,587 bhp	NO_x	8.55	-
		CO	14.26	-
		VOC	2.27	-
		PM	0.23	0.90
		PM_{10}	0.23	0.90
		$PM_{2.5}$	0.23	0.90
		SO_2	0.01	0.05
GC-200	Waukesha Compressor Engine 2,587 bhp	NO_x	8.55	-
		CO	14.26	-
		VOC	2.27	-
		PM	0.23	0.90
		PM_{10}	0.23	0.90
		$PM_{2.5}$	0.23	0.90
		SO_2	0.01	0.05
GC-300	Waukesha Compressor Engine 2,587 bhp	NO_x	8.55	-
		CO	14.26	-
		VOC	2.27	-
		PM	0.23	0.90
		PM_{10}	0.23	0.90
		$PM_{2.5}$	0.23	0.90
		SO_2	0.01	0.05
GC-400	Caterpillar Compressor Engine 3,335 bhp	NO_x	5.15	-
		CO	13.97	-
		VOC	2.06	-
		PM	0.28	1.09

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		PM_{10}	0.28	1.09
		$PM_{2.5}$	0.28	1.09
		SO_2	0.02	0.07
GC-500	Caterpillar Compressor Engine 3,335 bhp	NO_x	5.15	-
		CO	13.97	-
		VOC	2.06	-
		PM	0.28	1.09
		PM_{10}	0.28	1.09
		$PM_{2.5}$	0.28	1.09
		SO_2	0.02	0.07
GC-600	Wartsila Compressor Engine 7,605 bhp	NO_x	11.74	
		CO	11.74	
		VOC	6.68	
		PM	0.59	2.35
		PM_{10}	0.59	2.35
		$PM_{2.5}$	0.59	2.35
		SO_2	0.03	0.14
ENG-CAP	Annual Emission Rates Cap for Compressor Engines	NO_x	-	94.60
		CO	-	163.60
		VOC	-	35.00
DG-1	Standby Generator Engine 100 hr/yr operation	NO_x	12.57	0.63
		CO	2.71	0.14
		VOC	1.03	0.05
		PM	0.88	0.04
		PM_{10}	0.88	0.04
		$PM_{2.5}$	0.88	0.04
		SO_2	0.83	0.04
R-610	Glycol Reboiler (Dehy 1)	NO_x	0.26	1.10
		CO	0.22	0.93

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		VOC	0.07	0.27
		PM	0.02	0.08
		PM_{10}	0.02	0.08
		$PM_{2.5}$	0.02	0.08
		SO_2	<0.01	0.01
MB-RB2	Glycol Reboiler (Dehy 2)	NO_x	0.21	0.86
		CO	1.67	6.95
		VOC	0.03	0.13
		PM	0.04	0.18
		PM_{10}	0.04	0.18
		$PM_{2.5}$	0.04	0.18
		SO_2	<0.01	0.01
D-680	Triethylene Glycol Tank 560 gallons	VOC	<0.01	<0.01
D-940A	Storm Water Tank 16,900 gallons	VOC	0.40	0.01
D-940B	Storm Water Tank 16,900 gallons	VOC	0.40	0.01
D-950	Ethylene Glycol Tank 2,100 gallons	VOC	0.01	<0.01
MBDAYTK	Lube Oil Tank 500 gallons	VOC	0.02	<0.01
D-960	Lube Oil Tank 3,200 gallons	VOC	0.14	<0.01
D-966	Lube Oil Tank 8,820 gallons	VOC	0.40	<0.01
D-981	Diesel Tank 750 gallons	VOC	0.03	<0.01
D-982	Diesel Tank 1,000 gallons	VOC	0.04	<0.01
D-983	Diesel Tank 200 gallons	VOC	0.01	<0.01
D-984	Diesel Tank 100 gallons	VOC	<0.01	<0.01
MB-TO1R	Thermal Oxidizer	NO_x	0.78	3.24
		CO	1.58	6.58

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		VOC	0.61	2.68
		PM	0.08	0.33
		PM_{10}	0.08	0.33
		$PM_{2.5}$	0.08	0.33
		SO_2	<0.01	0.03
METHTANK	Methanol Tank 16,170 gallons	VOC	12.12	0.39
MG-PW	Parts Washer	VOC	2.25	0.41
MG-TL1	Truck Loading Losses - Pipeline Liquids	VOC	81.41	0.35
MG-TL2	Truck Loading Losses - Oily Water	VOC	0.81	0.01
MG-TL3	Truck Loading Losses - Coolant	VOC	0.03	<0.01
F-2	Plant Process Fugitives (5)	VOC	2.82	7.93
BLD-VENT	Blowdown Process Fugitives (5)	VOC	13.90	13.09

(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) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
SO_2 - sulfur dioxide
(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: December 27, 2018