Emission Sources - Maximum Allowable Emission Rates

Permit Number 2724

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)
C21	Compressor Engine 1	CO	9.88	43.28
		NO_x	81.15	355.45
		PM	1.24	5.42
		PM_{10}	1.24	5.42
		$PM_{2.5}$	1.24	5.42
		SO_2	0.02	0.07
		VOC	3.07	13.46
C22	Compressor Engine 2	CO	9.88	43.28
		NO_x	81.15	355.45
		PM	1.24	5.42
		PM_{10}	1.24	5.42
		$PM_{2.5}$	1.24	5.42
		SO_2	0.02	0.07
		VOC	3.07	13.46

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H-1	Old Amine Heater	CO	0.75	3.30
		NO_x	0.90	3.93
		PM	0.07	0.30
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.07	0.30
		SO_2	0.01	0.02
		VOC	0.05	0.22
H-2	New Amine Heater	CO	2.30	10.06
		NO_x	2.74	11.98
		PM	0.21	0.91
		PM_{10}	0.21	0.91
		$PM_{2.5}$	0.21	0.91
		SO_2	0.02	0.07
		VOC	0.15	0.66
H-301	Regen Heater	CO	0.40	1.76
		NO_x	0.48	2.09
		PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.04	0.16
		SO_2	0.01	0.01
		VOC	0.03	0.12

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H-1402	Therminol Heater #1	CO	0.25	1.08
		NO_x	0.29	1.29
		PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
		SO_2	0.01	0.01
		VOC	0.02	0.07
H-88	W.T.G. Glycol Reboiler	CO	0.12	0.54
		NO_x	0.15	0.64
		PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.05
		SO_2	0.01	0.01
		VOC	0.01	0.04
B-101	Process Boiler	CO	0.12	0.53
		NO_x	0.15	0.66
		PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.04
		SO_2	<0.01	<0.01
		VOC	0.01	0.04
F1	Area Process Fugitives (5)	VOC	1.21	5.35
		H_2S	0.05	0.22

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S-1	Sulfur Recovery Unit Stack (SRU)	CO	0.22	0.97
		NO_x	0.26	1.16
		PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
		SO_2	182.74	800.43
		VOC	0.01	0.04
		H_2S	1.98	8.69
FL1	Acid Gas Flare - Pilot gas and Acid gas combustion during SRU Maintenance	CO	0.51	1.19
		NO_x	0.26	0.62
		SO_2	173.48	8.68
		VOC	0.02	0.04
		H_2S	1.88	0.09
FL6	Emergency Flare – pilot gas combustion	CO	0.28	1.23
		NO_x	0.14	0.61
		SO_2	<0.01	<0.01
		VOC	0.01	0.04
S-PIT	Sulfur Pit	H_2S	0.01	0.01
S-LOAD	Sulfur Tank Truck Loading	H_2S	0.01	0.01
P11	Truck Loading	VOC	0.17	0.17

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(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 - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
H_2S - hydrogen sulfide
(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: _____