

Emission Sources - Maximum Allowable Emission Rates

Permit Number 18643

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)
16SGTB-1	Compressor Engine 2,650-hp White Superior	CO	9.35	40.94
		NO _x	8.76	38.38
		PM	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.19	0.82
		SO ₂	0.01	0.05
		VOC	0.18	0.77
16SGTB-2	Compressor Engine 2,650-hp White Superior	CO	9.35	40.94
		NO _x	8.76	38.38
		PM	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.19	0.82
		SO ₂	0.01	0.05
		VOC	0.18	0.77
16SGTB-3	Compressor Engine 2,650-hp White Superior	CO	9.35	40.94
		NO _x	8.76	38.38
		PM	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.19	0.82
		SO ₂	0.01	0.05
		VOC	0.18	0.77

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16SGTB-4	Compressor Engine 2,650-hp White Superior	CO	9.35	40.94
		NO _x	8.76	38.38
		PM	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.19	0.82
		SO ₂	0.01	0.05
		VOC	0.18	0.77
506C	Compressor Engine 1,085-hp Caterpillar G3516LE	CO	2.99	13.10
		NO _x	4.78	20.95
		PM	0.08	0.35
		PM ₁₀	0.08	0.35
		PM _{2.5}	0.08	0.35
		SO ₂	0.01	0.02
		VOC	0.36	1.57
506A	Compressor Engine 1,085-hp Caterpillar G3516LE	CO	2.99	13.10
		NO _x	4.78	20.95
		PM	0.08	0.35
		PM ₁₀	0.08	0.35
		PM _{2.5}	0.08	0.35
		SO ₂	0.01	0.02
		VOC	0.36	1.57
506B	Compressor Engine 810-hp Caterpillar G3512LE	CO	2.23	9.78
		NO _x	3.57	15.64
		PM	0.06	0.27
		PM ₁₀	0.06	0.27
		PM _{2.5}	0.06	0.27
		SO ₂	0.01	0.02
		VOC	0.27	1.17
FLARE	Flare - Pilot Fuel,	CO	11.87	50.40

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		NO _x	2.81	11.49
		SO ₂	0.51	2.22
		VOC	5.20	17.42
		H ₂ S	0.01	0.02
H-501	Regenerator Heater 10.09 MMBtu/hr fired duty	CO	0.85	3.71
		NO _x	1.01	4.42
		PM	0.08	0.34
		PM ₁₀	0.08	0.34
		PM _{2.5}	0.08	0.34
		SO ₂	0.01	0.03
		VOC	0.06	0.24
H-502	Regenerator Heater 10.75 MMBtu/hr fired duty	CO	0.90	0.40
		NO _x	1.08	0.47
		PM	0.08	0.04
		PM ₁₀	0.08	0.04
		PM _{2.5}	0.08	0.04
		SO ₂	0.01	0.01
		VOC	0.06	0.03
LOAD-1	Loading Rack Losses	VOC	2.03	1.99
TK-518	210-bbl Condensate Storage Tank	VOC	1.33	0.21
TK-519	400-bbl Gunbarrel Tank	VOC	4.05	12.52
TK-520	500-bbl Produced Water Storage Tank	VOC	0.08	0.02
TK-521	300-bbl Produced Water Storage Tank	VOC	0.08	0.02
TK-504	210-bbl Used Oil Storage Tank	VOC	0.01	0.01
TK-510	500-gal Used Oil Storage Tank	VOC	0.01	0.01
TK-505	400-bbl Hot Oil Storage Tank	VOC	0.01	0.01
TK-511	210-bbl Residue Lube Oil	VOC	0.01	0.01

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	Storage Tank			
TK-508	50-bbl Residue Antifreeze Storage Tank	VOC	0.01	0.01
TK-509	50-bbl Residue Antifreeze Storage Tank	VOC	0.01	0.01
FUGITIVE1	Process Fugitives (5)	VOC	2.38	10.40
FUGITIVE2	Process Fugitives (5)	VOC	0.90	3.94

- (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
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - 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
- H₂S - 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: September 10, 2018