

Sources - Maximum Allowable Emission Rates

Permit Number 143937

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)
ENG-1	Compressor Engine	NO _x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM ₁₀	0.24	1.03
		PM _{2.5}	0.24	1.03
		SO ₂	0.01	0.03
		HAPS	0.26	1.19
ENG-2	Compressor Engine	NO _x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM ₁₀	0.24	1.03
		PM _{2.5}	0.24	1.03
		SO ₂	0.01	0.03
		HAPS	0.26	1.19
ENG-3	Compressor Engine	NO _x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM ₁₀	0.24	1.03
		PM _{2.5}	0.24	1.03
		SO ₂	0.01	0.03
		HAPS	0.26	1.19

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ENG-4	Compressor Engine	NO _x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM ₁₀	0.24	1.03
		PM _{2.5}	0.24	1.03
		SO ₂	0.01	0.03
		HAPS	0.26	1.19
ENG-5	Compressor Engine	NO _x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM ₁₀	0.24	1.03
		PM _{2.5}	0.24	1.03
		SO ₂	0.01	0.03
		HAPS	0.26	1.19
ENG-6	Compressor Engine	NO _x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM ₁₀	0.24	1.03
		PM _{2.5}	0.24	1.03
		SO ₂	0.01	0.03
		HAPS	0.26	1.19
ENG-7	Compressor Engine	NO _x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM ₁₀	0.24	1.03

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		PM _{2.5}	0.24	1.03
		SO ₂	0.01	0.03
		HAPS	0.26	1.19
ENG-8	Compressor Engine	NO _x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM ₁₀	0.24	1.03
		PM _{2.5}	0.24	1.03
		SO ₂	0.01	0.03
		HAPS	0.26	1.19
ENG-9	Compressor Engine	NO _x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM ₁₀	0.24	1.03
		PM _{2.5}	0.24	1.03
		SO ₂	0.01	0.03
		HAPS	0.26	1.19
ENG-10	Compressor Engine	NO _x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM ₁₀	0.24	1.03
		PM _{2.5}	0.24	1.03
		SO ₂	0.01	0.03
		HAPS	0.26	1.19
HTR-1	Glycol Heater	NO _x	0.15	0.64
		CO	0.12	0.54

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		VOC	0.01	0.04
		PM	0.01	0.05
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
		SO ₂	<0.01	<0.01
		HAPS	<0.01	0.01
Flare-1	Flare (5)	NO _x	3.93	3.24
		CO	7.84	6.46
		VOC	17.83	17.17
		SO ₂	<0.01	<0.01
		HAPS	0.72	1.60
TK-PW 1	Produced Water Tank 1	VOC	0.48	1.34
		HAPS	0.01	0.02
TK-PW 2	Produced Water Tank 2	VOC	0.48	1.34
		HAPS	0.01	0.02
L-1	Oil Loadout	VOC	35.45	4.02
		HAPS	0.45	0.05
FUG-1	Fugitives (6)	VOC	0.59	2.59
		HAPS	0.01	0.06
MSS	MSS Emissions (6)	VOC	73.27	0.50
		HAPS	0.93	<0.01

- (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 PM₁₀ and PM_{2.5}
PM₁₀ - 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
SO₂ - sulfur dioxide
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) Flare emissions include emissions from the pilot stream, oil tanks, TEG dehydrator, and compressor blowdown.
(6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

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Date: September 28, 2017