

Emission Sources – Maximum Allowable Emission Rates

Permit Number 48624

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)
FL-1	Front Area Flare	CO	2.22	0.02
		NO _x	0.26	0.01
		SO ₂	0.03	0.01
		VOC	2.35	0.02
FL-2	Back Area Flare	CO	46.70	1.42
		NO _x	5.45	0.17
		SO ₂	0.07	0.01
		VOC	41.85	0.98
FL-3	Saltwater Flare	CO	2.58	2.25
		NO _x	0.30	0.27
		SO ₂	0.02	0.01
		VOC	2.58	1.78
FL-4	Propane Filter Flare	CO	23.22	0.28
		NO _x	2.71	0.04
		SO ₂	0.84	0.01
		VOC	21.40	0.26
GA1	Gas Analyzer	VOC	0.78	0.16
H1	Water Heater	CO	0.66	1.44
		NO _x	0.78	1.71
		PM	0.06	0.13
		PM ₁₀	0.06	0.13
		PM _{2.5}	0.06	0.13
		SO ₂	0.01	0.02
		VOC	0.05	0.10
H2	Water Heater	CO	0.66	1.44
		NO _x	0.78	1.71
		PM	0.06	0.13
		PM ₁₀	0.06	0.13
		PM _{2.5}	0.06	0.13
		SO ₂	0.01	0.02

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		VOC	0.05	0.10
H3	Saltwater Heater	CO	0.33	0.72
		NO _x	0.39	0.86
		PM	0.03	0.07
		PM ₁₀	0.03	0.07
		PM _{2.5}	0.03	0.07
		SO ₂	0.01	0.01
		VOC	0.03	0.05
MNT	Planned Maintenance Activities (6)	VOC	6.07	0.35
PE2	Engine Exhaust (7)	CO	4.66	3.23
		NO _x	2.77	1.92
		PM	0.03	0.02
		PM ₁₀	0.03	0.02
		PM _{2.5}	0.03	0.02
		SO ₂	0.02	0.01
		VOC	0.04	0.03
PE6	Engine Exhaust (7)	CO	4.66	3.23
		NO _x	2.77	1.92
		PM	0.03	0.02
		PM ₁₀	0.03	0.02
		PM _{2.5}	0.03	0.02
		SO ₂	0.02	0.01
		VOC	0.04	0.03
PE23	Engine Exhaust (7)	CO	4.66	3.23
		NO _x	2.77	1.92
		PM	0.03	0.02
		PM ₁₀	0.03	0.02
		PM _{2.5}	0.03	0.02
		SO ₂	0.02	0.01
		VOC	0.04	0.03
PE32	Engine Exhaust (8)	CO	4.66	3.49
		NO _x	2.77	2.08
		PM	0.03	0.02
		PM ₁₀	0.03	0.02
		PM _{2.5}	0.03	0.02
		SO ₂	0.02	0.01

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		VOC	0.04	0.03
PE33	Engine Exhaust (8)	CO	4.66	3.49
		NO _x	2.77	2.08
		PM	0.03	0.02
		PM ₁₀	0.03	0.02
		PM _{2.5}	0.03	0.02
		SO ₂	0.02	0.01
		VOC	0.04	0.03
PFL	Portable Flare	CO	2.02	0.07
		NO _x	0.24	0.01
		SO ₂	0.04	0.01
		VOC	3.60	0.11
ROP	Routine Operations	VOC	5.29	6.34
SEAL	Seal Tank	VOC	0.01	0.01
SWR	Saltwater Reservoir Losses	VOC	4.37	6.69
T18	Storage Tank	VOC	0.51	0.01
T30	Dehydrator Water Tank	VOC	2.59	0.47
T31	Dehydrator Water Tank	VOC	2.59	0.47
TL01	Storage Tank	VOC	0.01	0.01
TL02	Storage Tank	VOC	0.01	0.01
FUGITIVES	Process Fugitives (5)	VOC	4.61	20.19

- (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) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM - total particulate matter (PM), suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total PM equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - PM equal to or less than 2.5 microns in diameter
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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) Planned maintenance activities and emissions only are authorized from this EPN.
- (7) Engine EPNs PE2, PE6, and PE23 are subject to its individually listed hourly and annual individual pollutant emission rate at a maximum of 1387 hours per calendar year per EPN. In addition, the total annual individual pollutant emission rate from all of three engines shall not exceed the listed EPN PE2, PE6 and PE23 emission limit at a maximum of 4160 hours per calendar year.
- (8) The EPN is limited to a maximum of 1500 hours per calendar year.

Date: June 29, 2022

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