

Emission Sources - Maximum Allowable Emission Rates

Permit Number 4618

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)
29G-101	Flare – routine operation	NO _x	0.90	2.93
		CO	1.80	5.85
		SO ₂	<0.01	<0.01
		VOC	2.35	7.48
29G-101	Flare – MSS operation	NO _x	18.91	0.65
		CO	53.75	2.62
		VOC	69.02	2.43
C2H4BRINE	Ethylene Brine Pond	VOC	3.08	9.51
C3H6BRINE	Propylene Brine Pond	VOC	0.34	1.05
FSLOF	Fugitives (5)	VOC	1.59	6.98
29H101STK	Hot Oil Heater	NO _x	2.90	12.16
		CO	2.43	10.22
		SO ₂	<0.01	0.02
		VOC	0.16	0.67
		PM	0.22	0.92
		PM ₁₀	0.22	0.92
		PM _{2.5}	0.22	0.92

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ICENG	Diesel Generator	NO _x	4.65	1.74
		CO	1.00	0.38
		SO ₂	0.31	0.12
		VOC	0.38	0.14
		PM	0.33	0.12
		PM ₁₀	0.33	0.12
		PM _{2.5}	0.33	0.12
24P-104A	Fire Water Pumps Diesel Engine	NO _x	0.78	0.29
		CO	0.17	0.06
		SO ₂	0.05	0.02
		VOC	0.06	0.02
		PM	0.06	0.02
		PM ₁₀	0.06	0.02
		PM _{2.5}	0.06	0.02
29P105	Fresh Water Pumps Diesel Engine	NO _x	0.78	0.29
		CO	0.17	0.06
		SO ₂	0.05	0.02
		VOC	0.06	0.02
		PM	0.06	0.02
		PM ₁₀	0.06	0.02
		PM _{2.5}	0.06	0.02
TKFUEL	Diesel Fuel Tank	VOC	0.08	<0.01
TKFUEL1	Fresh Water Pump Diesel Fuel Tank	VOC	0.18	<0.01
MSSFUGITIVE (5)	MSS Fugitives	VOC	7.00	0.46
FRACTANK	Cavern Blowdown to Atmosphere	VOC	3.95	3.30

BOOSTERFUG (5)	Booster Station Fugitives to Atmosphere	VOC	0.24	1.05
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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
- (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: February 26, 2015