

Emission Sources - Maximum Allowable Emission Rates

Permit Number 436

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)
E09A032	TCO Site Flare	CO	38.69	61.45
		NO _x	6.98	10.76
		SO ₂	0.46	0.72
		VOC (7)	19.38	28.40
		Ethylene	0.01	0.01
		Propylene	1.77	7.76
F09A001	Fugitives (5)	VOC (7)	2.64	11.57
		Ethylene	1.46	6.37
		Propylene	0.43	1.87
		CO	0.08	0.35
E09A048	Safety Valve KO Pot (5)	VOC (7)	0.05	0.21
		Ethylene	0.03	0.15
LGTMSS	LGT Area MSS Emissions	VOC (7)	61.23	1.00
		CO	0.07	0.02
		Ethylene	28.43	0.38
		Propylene	24.70	0.28
E09A032	TCO Site Flare (EV - MSS) (6)	Ethylene	15.00	2.70
		CO	11.46	2.06
		NO _x	1.50	0.27
	TCO Site Flare (MSS)	VOC (7)	58.12	2.77
		CO	41.38	1.98
		NO _x	7.61	0.36
		Ethylene	1.63	0.08
		Propylene	26.49	0.44

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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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - 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.
- (6) MSS emissions attributable to the ethylene vaporizer, authorized previous to the MSS amendment of July, 2011.
- (7) The ethylene and propylene emissions are included in the VOC emissions.

Date: October 18, 2019