

Emission Sources - Maximum Allowable Emission Rates

Permit Number 2467

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	Site flare LPO-10 Operation (6)	VOC	99.04	209.31
		CO	77.67	148.58
		NO _x	8.80	17.86
		Ethylene	4.57	15.25
E10C060	Syn gas flare LPO-10 operation (6) (7)	VOC	98.53	41.57
		CO	76.81	32.96
		NO _x	8.64	3.58
		Ethylene	4.57	0.20
E09A032	LPO-10 C5 Startup and Shutdown	VOC	45.75	9.88
		CO	0.83	0.42
		NO _x	0.16	0.08
FLRLPO10	Total emissions from Site flare and Syn Gas flare (8)	VOC	—	229.84
		CO	—	152.88
		NO _x	—	18.69
		Ethylene	—	15.16
E10AC3SSM	LPO-10 C3 MSS Emissions	VOC	0.46	0.04
		Ethylene	0.01	0.01
E10AC5SSM	LPO-10 C5 MSS Emissions	VOC	0.85	0.01
F10A-01	LPO-10C3 Fugitives	VOC	1.98	8.65
		CO	0.44	1.95
		Ethylene	0.85	3.72
F10AC5001	LPO-10C5 Fugitives C5 Production	VOC	1.82	7.99
		CO	0.98	4.31

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F10AC3001	LPO-10C5 Fugitives C3 Production	VOC	0.88	0.63
		CO	2.13	1.54
		Ethylene	0.06	0.04
F10AC1101	LPO-10 Fugitives Isomer Column	VOC	0.95	2.94
E10ACATMIX	Mix Tank	VOC	3.49	0.16

- (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
- (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) Flaring of high-pressure vents is restricted as specified in Special Condition 5.
- (7) Use of the Syn Gas flare (EPN E10C060) in lieu of the Site flare (EPN E10A032) is restricted as specified in Special Condition 13.
- (8) Limit refers to total emissions from the Syn Gas flare (EPN E10C060) and the Site flare (EPN E10A032) for all process vents covered by this permit.

Date: November 1, 2017