

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19394

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)
55	Catalyst Activation Filter	PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
56	Catalyst Activation Heater	VOC	0.04	0.07
		NO _x	0.64	1.28
		SO ₂	0.01	0.01
		PM	0.05	0.10
		PM ₁₀	0.05	0.10
		PM _{2.5}	0.05	0.10
		CO	0.54	1.08
57	Catalyst Storage Filter	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
58	Flare	VOC	148.25	131.65
		NO _x	45.82	42.27
		SO ₂	0.48	0.28
		CO	182.47	168.36
59	Fugitives (5)	VOC	6.63	29.07
60	Cooling Tower (5)	VOC	0.50	2.21

Emission Sources - Maximum Allowable Emission Rates

61 and 62	1A Filter	VOC	(6)	(6)
		PM	0.04	0.17
		PM ₁₀	0.04	0.17
		PM _{2.5}	0.04	0.17
63, 64, and 65	Fluff Filter	VOC	(6)	(6)
		PM	0.048	0.21
		PM ₁₀	0.048	0.21
		PM _{2.5}	0.048	0.21
66, 67, and 68	Fluff Filter	VOC	(6)	(6)
		PM	0.003	0.015
		PM ₁₀	0.003	0.015
		PM _{2.5}	0.003	0.015
69A	Pellet Classifier	VOC	(6)	(6)
69F817	Vacuum System Filter	VOC	(6)	(6)
		PM	< 0.01	0.01
		PM ₁₀	< 0.01	0.01
		PM _{2.5}	< 0.01	0.01
69F826	Pellet Transfer Filter	VOC	(6)	(6)
		PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01

Emission Sources - Maximum Allowable Emission Rates

69F847	Blender Vent Filter	VOC	(6)	(6)
		PM	< 0.01	0.02
		PM ₁₀	< 0.01	0.02
		PM _{2.5}	< 0.01	0.02
69F848	Blender Vent Filter	VOC	(6)	(6)
		PM	< 0.01	0.02
		PM ₁₀	< 0.01	0.02
		PM _{2.5}	< 0.01	0.02
70	Fines Separator	VOC	(6)	(6)
		PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
273	Pellet Dryer H	VOC	(6)	(6)
61, 62, 63, 64, 65, 66, 67, 68, 69A, 70, and 273	VOC Emission Cap - Purge Column to Product Loadout	VOC	4.7	10.42
AV-001	CPF Ethylene Analyzer	VOC	0.04	0.16
CHROMCPF	CPF On-line Analyzer	VOC	0.01	0.01
CHROMFLR	Flare Header On-line Analyzer	VOC	0.01	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) 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.

Emission Sources - Maximum Allowable Emission Rates

- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) EPNs 61, 62, 63, 64, 65, 66, 67, 68, 69A, 69F817, 69F826, 69F847, 69F848, 70, and 273 will be subject to a group emission cap for VOC emissions instead of having emission limits for each emission point. The emission rates of 4.7 pounds per hour and 10.42 tons per year of isobutane represent the combined VOC emissions from all emission points from the purge column to product loadout.

Date: October 8, 2015