

Emission Sources - Maximum Allowable Emission Rates

Permit Number 4196

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)
251AV93	Storage Tank V-93	VOC	1.08	2.33
251AV199	Storage Tank V-199	VOC	1.06	1.48
251AV200	Storage Tank V-200	VOC	0.94	2.11
251AV644	Storage Tank V-644	VOC	1.37	2.33
251CV810	Acetic Acid Tank	VOC	0.63	0.35
251CV812	Storage Tank V-812	VOC	1.49	2.93
110V1211	Storage Tank V-1211	VOC	0.27	0.39
110T22	Scrubber	VOC	3.10	1.72
110F	Filters/Pumps/Instruments Maintenance, Start-Up, and Shutdown	VOC	4.34	0.04
110F	VA Unit Equipment Fugitives (5)	VOC	6.65	29.15
110STM	VA Steam Vent	VOC	3.67	4.83
110FM1	PBQ Mixing	VOC	7.06	1.29
110FM2	HQ Mixing	VOC	4.78	0.18
110BLD134	Analyzer Vents (Bldg. 134) (6)	VOC	1.94	4.36
110BLD135	Analyzer Vents (Bldg. 135) (6)	VOC	1.11	2.08
110BLD136	Analyzer Vents (Bldg. 136) (6)	VOC	0.21	0.55
301M150	VA Cooling Tower	VOC	6.72	11.04
		PM	2.40	3.95

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		PM ₁₀	1.20	1.97
		PM _{2.5}	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
PM - total particulate matter
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
- (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) The emissions from EPNs 110BLD134, 110BLD135, and 110BLD136 are authorized by Permit-by-Rule (PBR) § 106.261, Registration Number 77699 issued on January 10, 2006. The emissions are included in this permit for reference purposes only. The PBR remains in effect.

Date: April 8, 2016