

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6105

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. 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 *	
			lb/hr	TPY**
306M2107	PO _x Flare	NO _x	21.90	2.51
		CO	736.60	74.21
		SO ₂	0.30	0.01
306ABLDG1	PO _x Analyzers	CO	0.40	1.78
111F	SFA Unit Equipment Fugitives (4)	VOC	3.01	13.17
		CO	0.72	3.16
111F	Product Swaps, Maintenance, Start-up, and Shutdown	VOC	49.96	0.42
		CO	0.87	0.01
111LOAD	Unit Loading/Unloading	VOC	4.01	0.45
251UNLOAD	Unit Loading/Unloading	VOC	16.84	1.39
111ANALYZE	Analyzer Vents	VOC	0.43	1.88
		CO	1.18	5.16
111HOOP	Reactor Vent	VOC	12.09	4.53
111V185	Storage Tank V-185	VOC	6.93	2.81
111V272	Storage Tank V-272	VOC	6.93	2.81
251BV502	Storage Tank V-502	VOC	1.72	0.14
111V505	Storage Tank V-505	VOC	12.95	6.49
251BV506	Storage Tank V-506	VOC	2.70	0.43
251BV507	Storage Tank V-507	VOC	2.70	0.43

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251BV515	Storage Tank V-515	VOC	2.99	0.22
251BV520	Storage Tank V-520	VOC	1.72	0.07
251BV521	Storage Tank V-521	VOC	2.04	0.16
111V649	Storage Tank V-649	VOC	6.93	2.81
111V827	Storage Tank V-827	VOC	2.70	0.52
111V1003	Storage Tank V-1003	VOC	0.85	0.02
111V1004	Storage Tank V-1004	VOC	0.01	0.01
111V1005	Storage Tank V-1005	VOC	6.64	0.16
111V1012	Storage Tank V-1012	VOC	6.99	1.17
111V1013	Storage Tank V-1013	VOC	7.22	1.18
111V1023	Storage Tank V-1023	VOC	6.93	1.29
251AV1029	Storage Tank V-1029	VOC	0.65	1.99
251AV1030	Storage Tank V-1030	VOC	0.65	1.99
251CV1031	Storage Tank V-1031	VOC	6.13	2.70
251CV1032	Storage Tank V-1032	VOC	6.13	2.70
251AV103	Storage Tank V-1033	VOC	0.67	2.32
111V1037	Storage Tank V-1037	VOC	2.25	0.02
111V1040	Storage Tank V-1040	VOC	8.73	0.03
251BV11	Storage Tank V-C11	VOC	14.52	10.64

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			lb/hr	TPY**
306F	Fugitives (4)	VOC	0.01	0.04
		CO	0.08	0.34
303M1239	Ethylene Flare	VOC	4.63	0.98
		NO _x	0.94	0.27
		CO	22.54	6.91
302M330/ 302M331/ 302M460	Boilers 4, 5, and 6 Combined Emission Limit (5)	VOC	0.66	1.88
111SCRUB	SFA Unit Scrubber	VOC	0.40	0.05

- (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
CO - carbon monoxide
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Emissions of NO_x, CO, SO₂, and PM are authorized under Permit Number 2175

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: August 17, 2009