

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 22872

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**
71V1054ST	Feed Tank V-1054	VOC	4.74	0.05
71V1056ST	Storage Tank V-1056	VOC	4.35	0.20
		SO ₂	1.20	0.22
71V1057ST	Storage Tank V-1057	VOC	4.35	0.20
		SO ₂	1.20	0.22
71V1060ST	Storage Tank V-1060	VOC	7.12	0.21
71V1061ST	Storage Tank V-1061	VOC	1.40	0.04
		SO ₂	8.42	0.22
71V1063ST	Storage Tank V-1063	VOC	7.12	0.40
71V1067ST	Storage Tank V-1067	VOC	7.12	0.37
71V1068ST	Storage Tank V-1068	VOC	7.12	0.35
		SO ₂	13.78	0.22
71V1069ST	Storage Tank V-1069	VOC	7.12	0.27
71V1070ST	Storage Tank V-1070	VOC	7.12	0.20
71V1071ST	Storage Tank V-1071	VOC	7.12	0.23
71V1072ST	Storage Tank V-1072	VOC	7.34	0.25
		SO ₂	2.10	0.22
71V1073ST	Storage Tank V-1073	VOC	7.34	0.25
		SO ₂	2.10	0.22

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			lb/hr	TPY**
71V1074ST	Storage Tank V-1074	VOC	7.12	0.23
71V1075ST	Storage Tank V-1075	VOC	7.12	0.23
71V1077ST	Storage Tank V-1077	VOC	7.12	0.23
71V1081ST	Storage Tank V-1081	VOC	7.12	0.23
71V1089ST	Storage Tank V-1089	VOC	0.69	0.17
72V101ST	Storage Tank V-101	VOC	6.29	0.23
72V102ST	Storage Tank V-102	VOC	6.29	0.23
72V103ST	Storage Tank V-103	VOC	6.29	0.23
72V104ST	Storage Tank V-104	VOC	6.29	0.23
72V105ST	Storage Tank V-105	VOC	6.29	0.23
72V106ST	Storage Tank V-106	VOC	6.29	0.23
71LOADING	Loading Emissions	VOC	21.90	-
72LOADING	Loading Emissions	VOC	1.47	-
71LOADING/ 72LOADING	Loading Emissions	VOC	-	0.41
71UNLOAD	Unloading Emissions	VOC	16.05	-
		SO ₂	3.09	0.26
72UNLOAD	Unloading Emissions	VOC	9.78	-
71UNLOAD/ 72UNLOAD	Unloading Emissions	VOC	-	2.38
71T140ST	T-140 Reactor Vent Absorber	VOC	5.49	0.62
		SO ₂	0.03	0.01

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			lb/hr	TPY**
72T201ST	T-201 Reactor Vent Absorber	VOC	2.67	0.86
71EOFUG	EO Process Fugitives (4)	VOC	0.11	0.48
71ETHOXFUG	Process Fugitives (4)	VOC	1.26	3.13
		SO ₂	5.31	12.32
71MT17FUG	Cooling Tower (4)	VOC	0.37	1.62
		PM _{2.5} /PM ₁₀ ***	0.22	0.96
71MAINTFUG	Maintenance Emissions (5)	VOC	0.48	0.16
		SO ₂	0.53	0.01
71TANKMSS	Area 71 Tank MSS (5)	VOC	13.46	-
72TANKMSS	Area 72 Tank MSS (5)	VOC	2.55	-
71TANKMSS/ 72TANKMSS	Tank MSS (5)	VOC	-	0.44
71PORTST	Portable Tank	VOC	0.01	0.01

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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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
PM₁₀ - particulate matter equal to or less than 10 microns in diameter
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Planned startup, shutdown and maintenance emissions

* 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.

*** Up to 100 percent of PM₁₀ emissions may be PM_{2.5} emissions.

Date: February 16, 2010