

## 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, 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)
71V1054ST	Feed Tank V-1054	VOC	4.74	-
71V1056ST	Storage Tank V-1056	VOC	6.30	-
		SO <sub>2</sub>	1.20	0.22
71V1057ST	Storage Tank V-1057	VOC	6.30	-
		SO <sub>2</sub>	1.20	0.22
71V1060ST	Storage Tank V-1060	VOC	10.32	-
71V1061ST	Storage Tank V-1061	VOC	2.03	-
		SO <sub>2</sub>	8.42	0.22
71V1063ST	Storage Tank V-1063	VOC	10.32	-
71V1067ST	Storage Tank V-1067	VOC	10.32	-
71V1068ST	Storage Tank V-1068	VOC	10.32	-
		SO <sub>2</sub>	13.78	0.22
71V1069ST	Storage Tank V-1069	VOC	10.32	-
71V1070ST	Storage Tank V-1070	VOC	10.32	-
71V1071ST	Storage Tank V-1071	VOC	10.32	-
71V1072ST	Storage Tank V-1072	VOC	<0.01	-
71V1073ST	Storage Tank V-1073	VOC	<0.01	-
71V1074ST	Storage Tank V-1074	VOC	10.32	-
71V1075ST	Storage Tank V-1075	VOC	10.32	-
71V1077ST	Storage Tank V-1077	VOC	10.32	-
71V1081ST	Storage Tank V-1081	VOC	10.32	-
71V1089ST	Storage Tank V-1089	VOC	1.00	-
72V101ST	Storage Tank V-101	VOC	9.12	-
72V102ST	Storage Tank V-102	VOC	9.12	-
72V103ST	Storage Tank V-103	VOC	9.12	-
72V104ST	Storage Tank V-104	VOC	9.12	-
72V105ST	Storage Tank V-105	VOC	9.12	-
72V106ST	Storage Tank V-106	VOC	9.12	-
72V108ST	Storage Tank V-108	VOC	9.87	-
72V109ST	Storage Tank V-109	VOC	9.87	-
73V259ST	Storage Tank V-259	VOC	<0.01	-
73V206ST	Storage Tank V-206	VOC	6.98	-
73V207ST	Storage Tank V-207	VOC	6.98	-
73V208ST	Storage Tank V-208	VOC	6.98	-
73V209ST	Storage Tank V-209	VOC	6.98	-
73V210ST	Storage Tank V-210	VOC	6.98	-
73V211ST	Storage Tank V-211	VOC	6.98	-

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

73V212ST	Storage Tank V-212	VOC	6.98	-
73V213ST	Storage Tank V-213	VOC	6.98	-
73V214ST	Storage Tank V-214	VOC	6.98	-
73V215ST	Storage Tank V-215	VOC	6.98	-
73V216ST	Storage Tank V-216	VOC	6.98	-
73V217ST	Storage Tank V-217	VOC	6.98	-
73V218ST	Storage Tank V-218	VOC	6.98	-
73V219ST	Storage Tank V-219	VOC	6.98	-
73V220ST	Storage Tank V-220	VOC	6.98	-
71V1054ST - 73V220ST	Combined Storage Tank Cap	VOC	-	1.70
71LOADING	Loading Emissions	VOC	22.06	-
72LOADING	Loading Emissions	VOC	1.47	-
71/72LOAD	Loading Emissions	VOC	-	0.55
71UNLOAD	Unloading Emissions	VOC	16.41	-
		SO <sub>2</sub>	3.09	0.26
72UNLOAD	Unloading Emissions	VOC	9.78	-
71UNLOAD 72UNLOAD	Unloading Emissions	VOC	-	2.85
71T140ST	T-140 Reactor Vent Absorber	VOC	5.49	0.62
		SO <sub>2</sub>	0.03	<0.01
72T201ST	T-201 Reactor Vent Absorber	VOC	7.78	1.17
71EOFUG	EO Process Fugitives (5)	VOC	0.11	0.48
71ETHOXFUG	Process Fugitives (5)	VOC	3.37	5.25
		SO <sub>2</sub>	5.31	12.32
71MT17FUG	Cooling Tower (5)	VOC	0.37	1.62
		PM	0.22	0.96
		PM <sub>10</sub>	0.22	0.96
		PM <sub>2.5</sub>	0.22	0.96
71MAINTFUG	Maintenance Emissions (6)	VOC	5.72	0.54
		SO <sub>2</sub>	0.53	<0.01
71TANKMSS	Area 71 Tank MSS (6)	VOC	13.46	0.34
72TANKMSS	Areas 72 and 73 Tank MSS (6)	VOC	3.56	0.28

- (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  
SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
(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) Planned startup, shutdown, and maintenance emissions.

Date: December 19, 2017