

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 117537

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 (4)	
			lbs/hour	TPY (5)
CT-001	Combustion Turbine No. 1 (6)	CO	63.06	249.29
		CO (MSS)	1211.86	
		NO <sub>x</sub>	103.62	149.37
		NO <sub>x</sub> (MSS)	106.37	
		VOC	4.01	53.92
		VOC (MSS)	369.53	
		PM	7.92	9.09
		PM <sub>10</sub>	7.92	9.09
		PM <sub>2.5</sub>	7.92	9.09
		SO <sub>2</sub>	8.86	3.20
		H <sub>2</sub> SO <sub>4</sub>	0.58	0.21
LOV-001	Lube Oil Vent No. 1	VOC	0.02	0.10
		PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
LOT-001	Lube Oil Tank No. 1	VOC	0.03	<0.01
NG-FUG	Natural Gas Fugitives (7)	VOC	0.01	0.05
MSS FUG	Miscellaneous MSS Activities (7)	CO	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		PM	0.06	0.01
		PM <sub>10</sub>	0.06	0.01
		PM <sub>2.5</sub>	0.06	0.01
		VOC	1.27	0.02

(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

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NO <sub>x</sub>	- total oxides of nitrogen
CO	- carbon monoxide
PM	- total particulate matter, suspended in the atmosphere, including PM <sub>10</sub> and PM <sub>2.5</sub> , as represented
PM <sub>10</sub>	- total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub> , as represented
PM <sub>2.5</sub>	- particulate matter equal to or less than 2.5 microns in diameter
SO <sub>2</sub>	- sulfur dioxide
H <sub>2</sub> SO <sub>4</sub>	- sulfuric acid
MSS	- maintenance, startup, and shutdown

- (4) The pound per hour and ton per year emission limits specified in the MAERT for this facility include emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) Planned maintenance, startup and shutdown (MSS) emissions of VOC, PM, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, and H<sub>2</sub>SO<sub>4</sub> are authorized by the maximum hourly and annual emission rates for those pollutants, even though those rates do not specifically reference MSS. During any clock hour that includes one or more minutes of planned MSS, the MSS maximum hourly emission rates for CO and NO<sub>x</sub> shall apply during that clock hour.
- (7) Fugitive emission rates are estimates and are enforceable through compliance with the applicable special conditions and permit applications representations.

Date: December 19, 2014