

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 172117

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)
VCU1	Vapor Combustion Unit - Barge Loading	NO <sub>x</sub>	2.04	1.78
		CO	1.18	1.03
		VOC	5.12	4.48
		PM	0.11	0.10
		PM <sub>10</sub>	0.11	0.10
		PM <sub>2.5</sub>	0.11	0.10
		HAPs	0.61	0.54
VCU1	Vapor Combustion Unit - Pilot Combustion	NO <sub>x</sub>	0.16	0.72
		CO	0.09	0.41
		VOC	0.01	0.06
		SO <sub>2</sub>	0.02	0.08
		PM	0.01	0.04
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	0.01	0.04
FUG1	Equipment Fugitive Area 1 – Barge Loading	VOC	0.31	1.35
		HAPs	0.04	0.16
FUG2	Equipment Fugitive Area 2 – Vapor Combustion Unit	VOC	0.08	0.34
FUG3	Equipment Fugitive Area 3 – Condensate Tank Equipment Fugitives	VOC	0.31	1.35
		HAPs	0.04	0.16
FUG4	Equipment Fugitive Area 4 – Light Oil Storage Tank Equipment Fugitives	VOC	0.31	1.35
FUG5	Equipment Fugitive Area 5 – Railcar	VOC	0.31	1.35

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	Loading			
RCL1	Railcar Loading	VOC	1.66	1.79
T1	Condensate Storage Tank T1	VOC	0.36	3.01
		HAPs	0.04	0.36
T1	Uncontrolled Tank T1 MSS	VOC	0.19	0.05
		HAPs	0.02	0.01
T2	Light Oil Storage Tank T2	VOC	1.78	7.80
T2	Uncontrolled Tank T2 MSS	VOC	0.19	0.05
UNC-MSS	Routine Uncontrolled Maintenance, Startup, and Shutdown	VOC	0.38	0.01
		HAPs	0.05	<0.01
PTO-MSS	Portable Thermal Oxidizer (During Vapor Space Purges)	NO <sub>x</sub>	2.35	0.02
		CO	1.35	0.01
		VOC	1.18	0.01
		PM	0.13	<0.01
		PM <sub>10</sub>	0.13	<0.01
		PM <sub>2.5</sub>	0.13	<0.01
PTO-MSS	Portable Thermal Oxidizer (Propane Pilot)	NO <sub>x</sub>	0.82	0.12
		CO	0.47	0.07
		VOC	0.06	0.01
		SO <sub>2</sub>	0.09	0.01
		PM	0.04	0.01
		PM <sub>10</sub>	0.04	0.01
		PM <sub>2.5</sub>	0.04	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
NO <sub>x</sub>	- total oxides of nitrogen
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>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
CO	- carbon monoxide
HAP	- hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: \_\_\_\_\_