

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 22052

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)
E-563	Marine Loading Flare	NOx	3.14	0.08
		SO <sub>2</sub>	<0.01	0.01
		CO	26.85	0.72
		VOC	39.01	0.50
C-5	Collection Losses	VOC	0.94	0.21
F-Dock	Dock Fugitives (5)	VOC	0.71	3.07
T-87	MTBE/ETBE/MeOH/EtOH Storage Tank 87	VOC	3.87	0.60
L-5	Ship and Barge Loading Dock Fugitives (6)	VOC	0.10	0.44
EP-5	Plant Flare (6)	VOC	27.36	6.65
		NOx	3.77	0.92
		SO <sub>2</sub>	0.01	0.01
		CO	20.49	5.00
FUG-BD-D	Dock Fugitives	VOC	0.03	0.12
Dock-TO	Dock Thermal Oxidizer	VOC	2.90	1.84
		NOx	0.84	3.67
		SO <sub>2</sub>	0.02	0.08
		PM	0.31	1.37
		PM <sub>10</sub>	0.31	1.37
		PM <sub>2.5</sub>	0.31	1.37
		CO	0.63	2.75

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.  
Project Number: 312938

- (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  
CO - carbon monoxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Emissions are only those associated with pressurized loading at Docks A and B.

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

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## Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX201

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for all sources of GHG air contaminants on the applicant's property that are authorized 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 authorized by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
E-563	Marine Loading Flare	CO <sub>2</sub> (5)	234.93
		CH <sub>4</sub> (5)	<0.01
		N <sub>2</sub> O (5)	<0.01
		CO <sub>2</sub> e	234.93
Dock-TO	Dock Thermal Oxidizer	CO <sub>2</sub> (5)	5781.23
		CH <sub>4</sub> (5)	<0.01
		N <sub>2</sub> O (5)	<0.01
		CO <sub>2</sub> e	5781.23

(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) CO<sub>2</sub> - carbon dioxide  
 N<sub>2</sub>O - nitrous oxide  
 CH<sub>4</sub> - methane  
 HFCs - hydrofluorocarbons  
 PFCs - perfluorocarbons  
 SF<sub>6</sub> - sulfur hexafluoride  
 CO<sub>2</sub>e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):  
 CO<sub>2</sub> (1), N<sub>2</sub>O (298), CH<sub>4</sub>(25), SF<sub>6</sub> (22,800), HFC (various), PFC (various)

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.

(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Date: TBD