

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 24771

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 Rates *	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
L-1	Truck Loading Loss (5) (336 hours per year only)	VOC	16.02	2.69
L-2	Vapor Combustion Unit	CO	19.64	17.95
		NO <sub>x</sub>	3.93	3.59
		VOC	21.17	19.37
OWS-1	Oil/Water Separator	VOC	0.60	0.42
S-4M1	Storage Tank	VOC	1.39	
S-30M1	Storage Tank	VOC	0.92	
S-30M2	Storage Tank	VOC	0.92	
S-30M3	Storage Tank	VOC	0.92	
S-55M1	Storage Tank	VOC	0.90	
S-55M2	Storage Tank	VOC	0.90	
S-55M3	Storage Tank	VOC	0.90	
S-80M1	Storage Tank	VOC	0.96	
S-80M2	Storage Tank	VOC	0.96	
S-80M3	Storage Tank	VOC	0.96	
	<b>IFR Storage Tank Annual Cap</b>	VOC		16.41

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
A-300	Gasoline Additive Tank	VOC	0.02	0.01
B-100	Gasoline Additive Tank	VOC	1.77	0.02
B-200	Gasoline Additive Tank	VOC	0.50	0.01
S-100	Gasoline Additive Tank	VOC	0.74	0.02
S-200	Diesel Additive Tank	VOC	0.55	0.02
EP-TLDRA	Planned MSS TLDR (5) (6)	VOC	114.65	2.78
EP-TLDR-CMB	Portable Vapor Combustor (5) (7)	CO		8.44
	0.11	NO <sub>x</sub>	4.23	0.05
		SO <sub>2</sub>	0.52	0.01
		VOC	17.13	0.21
EP-TLDR-ENG	Portable Engine (5) (7)	CO	3.63	0.17
		NO <sub>x</sub>	2.42	0.11
		PM <sub>10</sub>	0.40	0.02
		SO <sub>2</sub>	0.33	0.02
		VOC	2.63	0.11
EP-TLDR-FLR	Portable Flare (5) (7)	CO	8.44	0.11
		NO <sub>x</sub>	4.23	0.05
		SO <sub>2</sub>	0.52	0.01
		VOC	17.13	0.21
F-1	Process Fugitives (4)	VOC	0.04	0.19
F-2	Process Fugitives (4)	VOC	0.02	0.09
F-3	Process Fugitives (4)	VOC	0.04	0.17
F-4	Process Fugitives (4)	VOC	0.03	0.11

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Emission Rates *	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**

- (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 - carbon monoxide  
 NO<sub>x</sub> - total oxides of nitrogen  
 PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter.  
 SO<sub>2</sub> - sulfur dioxide  
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Planned startup, shutdown, and maintenance emissions only.
- (6) These are maximum VOC emissions for floating roof storage tank degassing to the atmosphere. Hourly emissions are based on no more than one floating roof storage tank being degassed to the atmosphere at any one time. Annual emissions are based on up to 10 floating roof storage tanks being degassed to the atmosphere in any rolling 12-month period. Annual emissions are for a rolling 12-month basis.
- (7) These are maximum VOC emissions from the venting of planned degassing emissions to the portable vapor combustor, portable flare or portable engine. Hourly emissions are based on emissions from no more than one floating roof storage tank degassing activity being vented to the portable vapor combustor, portable flare or portable engine at any one time. Annual emissions are for a rolling 12-month basis.

\* 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

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 2, 2010