

# 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, 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)
L-1	Truck Loading Loss (6) (336 hours per year only)	VOC	16.02	2.69
L-2	Vapor Combustion Unit	CO	19.64	31.52
		NO <sub>x</sub>	3.93	6.3
		VOC	21.17	19.57
		PM	0.36	0.58
		PM <sub>10</sub>	0.36	0.58
		PM <sub>2.5</sub>	0.36	0.58
OWS-1	Oil Water Separator	VOC	0.60	0.42
S-4M1	Storage Tank	VOC	1.60	-
S-30M1	Storage Tank	VOC	1.24	-
S-30M2	Storage Tank	VOC	0.61	-
S-30M3	Storage Tank	VOC	0.63	-
S-55M1	Storage Tank	VOC	1.44	-
S-55M2	Storage Tank	VOC	1.44	-
S-55M3	Storage Tank	VOC	0.45	-
S-80M1	Storage Tank	VOC	1.45	-
S-80M2	Storage Tank	VOC	1.45	-
S-80M3	Storage Tank	VOC	1.45	-
	<b>IFR Storage Tank Annual Cap</b>	VOC		16.96
A-300	Additive Tank	VOC	0.11	0.01
B-100	Additive Tank	VOC	1.99	0.03
B-200	Additive Tank	VOC	0.50	0.01

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A-100	Additive Tank	VOC	0.70	0.03
A-200	Additive Tank	VOC	0.52	0.03
EP-TLDR	Planned MSS TLDR (7) (8)	VOC	114.65	2.78
EP-TLDR-CMB	Portable Vapor Combustor (7) (9)	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 (7) (9)	CO	3.63	0.17
		NO <sub>x</sub>	2.42	0.11
		PM	0.40	0.02
		PM <sub>10</sub>	0.40	0.02
		PM <sub>2.5</sub>	0.40	0.02
		SO <sub>2</sub>	0.33	0.02
		VOC	2.63	0.11
EP-TLDR-FLR	Portable Flare (7) (9)	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	Main Terminal Fugitives	VOC	0.04	0.20
F-2	LPG Fugitives	VOC	0.02	0.09
F-3	Kinder Morgan Pump Station Fugitives	VOC	0.02	0.10
F-4	Additive Equipment Fugitives	VOC	0.02	0.11

- (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

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- 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

- (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) Alternate operating scenario as specified in the Special Condition No. 12.
- (7) Planned startup, shutdown, and maintenance emissions only.
- (8) 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 period.
- (9) 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.

Date: February 19, 2016