

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 71281

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
30FL6	ULSD Flare (Routine)	NO <sub>x</sub>	0.31	1.34
		CO	2.20	9.66
		VOC	12.51	54.80
		SO <sub>2</sub>	2.75	12.06
		H <sub>2</sub> S	0.01	0.06
30FL1, 30FL2 30FL5, and 30FL6	Combined Flare Emissions (5) (Routine)	NO <sub>x</sub>	4.01	17.64
		CO	29.00	127.06
		VOC	87.31	382.40
		SO <sub>2</sub>	23.95	104.76
		H <sub>2</sub> S	0.21	0.96
40BA1001	Combined Heaters (LCO Charge Heater, Diesel Charge Heater, and Fract. Reboiler Heater)	NO <sub>x</sub>	4.39	16.10
		CO	7.56	33.13
		VOC	0.62	2.72
		SO <sub>2</sub>	3.09	13.53
		PM	0.86	3.76
90FB234	Diesel Storage Tank	VOC	3.86	16.13
90FB511	Gasoline Tank	VOC	2.52	10.25
90FB210	Gasoline Tank	VOC	2.52	10.25
40CWT11	No. 11 Cooling Tower (4)	VOC	0.80	3.31
40FUG	ULSD Unit Fugitives (4)	VOC	3.20	14.01
90FUG	Tank Farm Fugitives (4)	VOC	1.70	7.43

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- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source names. For fugitive sources, use an 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 - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
CO - carbon monoxide  
H<sub>2</sub>S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Combined routine emissions from Flares (EPNs 30FL1, 30FL2, 30FL5, and 30FL6). The Flares (EPNs 30FL1, 30FL2, and 30FL5) are operating under the Permit Number 2501A. The combined emissions (Routine, Startup, Shutdown, and Maintenance emissions) from EPNs 30FL1, 30FL2, and 30FL5 are represented in Footnote 6 of the maximum allowable emission rates table for Permit Number 2501A.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

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

Dated December 1, 2009