

EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

Permit No. 36845

This table lists the emission caps, individual emission limitations, 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
02CHRGHTR	Crude A Heater			
02CHRGHTR	Crude B Heater			
02CHRGCHTR	Crude C Heater			
02BGVCMHTR	Big Vacuum Heater			
09CHRGHTR	LDH Charge Heater			
23AC-1HTR	PDA Asphalt Heater			
23GSOIHTR	PDA Gas Oil Heater			
23KTTLEHTR	PDA Tea Kettle Superheater			
15CHRGHTR	Gas Hydrotreater Charge Heater			
26C8WSTHTR	C-8 Column West Heater			
26C8ESTHTR	C-8 Column East Heater			
Emission Caps		PM	4.14	17.86
		VOC	1.11	4.78
		NO _x	22.58	93.73
		CO	13.7	59.28
		SO ₂	10.71	11.56
02CTR14FUG	No. 14 Cooling Tower	VOC	0.15	0.66
02CRUDEFUG	Crude Complex Fugitives (4)	VOC	8.03	35.21
		H ₂ S	0.01	0.03

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
10FGTFUG	Fuel Gas Treater Fugitives (4)	VOC	0.98	4.29
		H ₂ S	0.30	
09LDHFUG	LDH Fugitives (4)	VOC	0.51	2.23
		H ₂ S	0.04	0.18
09PDAFUG	PDA Fugitives (4)	VOC	3.00	13.16
		H ₂ S	0.19	
15GOHFUG	Gas Oil Hydrotreater Fugitives (4)	VOC	0.84	3.69
		H ₂ S	0.28	
09CTR7FUG	LDH No. 7 Cooling Tower	VOC	0.13	0.59
26FMTEFUG	Reformate Splitter/C8 Column Fugitives (4)	VOC	0.55	2.41

- (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 30 Texas Administrative Code Section 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including particulate matter equal to or less than 10 microns.
CO - carbon monoxide
H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

_____Hrs/day _____Days/week _____Weeks/year or 8,760 Hrs/year

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

Dated_____