

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19674

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*	
			lbs/hr	TPY
SDCU1-1	Coker Heater No. 1	VOC	0.22	0.94
		NO ₂	15.04	65.41
		SO ₂	4.08	17.74
		PM ₁₀ **	0.77	3.35
		CO	6.17	26.81
SDCU1-2	Coker Heater No. 2	VOC	0.22	0.94
		NO ₂	15.04	65.41
		SO ₂	4.08	17.74
		PM ₁₀ **	0.77	3.35
		CO	6.17	26.81
FDCU1	Process Fugitives (4)	VOC	2.69	11.76
		C ₆ H ₆ ***	0.002	< 0.01
	Coke Handling Fugitives (4)	PM	4.52	4.44
		PM ₁₀ **	2.03	2.00
FKDCU1	Cooling Tower	VOC	0.42	1.84
		C ₆ H ₆ ***	0.00025	0.0011
TVA01820	Coker Feedstock Tank	VOC	0.03	0.18
TVA01821	Coker Feedstock Tank	VOC	< 0.01	< 0.01
TDC01825	Refinery Sludges Tank	VOC	< 0.01	< 0.01
TDC01830	Quench/Cutting Water Tank	VOC	0.01	0.06
VDCU1	Decoking Drum	VOC	< 0.01	< 0.01
EDCU1	Emergency Flare	EMERGENCY RELEASE ONLY		

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

** PM10 and PM are not additive

*** Benzene and VOC values are not additive

- (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 General Rule 101.1
NO₂ - nitrogen dioxide
SO₂ - sulfur dioxide
PM₁₀ - particulate matter less than 10 microns in diameter
CO - carbon monoxide
C₆H₆ - benzene
PM - particulate matter
- (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 Hrs/year 8,760

Dated _____