

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 21849

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
COK-HE	Coker Unit - East Heater	PM	6.05	26.5
		VOC	0.31	1.34
		NO <sub>x</sub>	13.75	60.23
		SO <sub>2</sub>	5.78	12.65
		CO	5.27	23.09
COK-HW	Coker Unit - West Heater	PM	6.05	26.5
		VOC	0.31	1.34
		NO <sub>x</sub>	13.75	60.23
		SO <sub>2</sub>	5.78	12.65
		CO	5.27	23.09
TK422A	SRF Tank	VOC	1.76	1.18
TK423	Reclaimed Oil Tank	VOC	0.25	0.75
TK425	Reclaimed Oil Tank	VOC	0.25	0.75
TK803	Reclaimed Oil Tank	VOC	1.67	6.95
TK804	Reclaimed Oil Tank	VOC	1.70	7.09

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TK834A	SRF Tank	VOC	1.19	1.45
COK-LL	Coke Loading Fugitives(4) 0.21		PM	0.044
FCT-COKE	Cooling Tower (4)	VOC	2.63	11.53

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
F-3-COKD	Fugitives (4)	VOC	15.36	67.30
FL-3-COK	Coker Flare	**For Emergency Use Only**		

- (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) PM - particulate matter  
VOC - volatile organic compounds as defined in General Rule 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide
- (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