

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4825A

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	
1	Benzene Tank T-1		VOC	0.12	0.24
2	Cumene Tank T-2		VOC	0.31	0.14
3	Cumene Tank T-8		VOC	0.27	0.31
4	Cumene Tank T-10		VOC	0.27	0.31
5	Cumene Tank T-4		VOC	0.26	0.13
6	Cumene Tank T-5		VOC	0.26	0.13
7	Cumene Heavies Tank T-11		VOC	0.46	<0.01
8	Cumene Heavies Tank T-12		VOC	0.34	0.03
9	Rerun Tank T-9		VOC	0.12	0.13
10	Fuel Oil Tank T-7		VOC	0.02	0.03
11	Flare		VOC	0.45	1.98
			NO <sub>x</sub>	0.50	2.20
			CO	1.00	4.39
12	Heater H-1		PM	9.77	28.12
			SO <sub>2</sub>	41.42	181.42
			NO <sub>x</sub>	142.34	601.70
			CO (5)	32.02	40.34
			CO (6)	96.06	
			VOC	0.98	4.26
13	Marine Loading				
	- Cumene		VOC	25.81	20.10
	- Cumene Heavies		VOC	4.67	0.04

14	Railcar Unloading	VOC	0.04	0.16
15	Truck Loading			
	- Cumene	VOC	8.04	0.46
	- Cumene Heavies	VOC	2.80	0.04

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
16	Dock Basin	VOC	0.02	0.10
17	Oily Water Separator	VOC	0.27	1.18
18	Cooling Tower CT-1	VOC	0.65	2.84
19	Benzene Tank T-14	VOC	0.43	0.97
20	Tank Truck Unloading	VOC	0.23	1.01
21	Cooling Tower CT-2	VOC	0.65	2.84
22	Cooling Tower CT-3	VOC	3.60	15.77
FUG	Fugitives (4)	VOC	13.25	58.02

- (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.
- (5) The hourly CO emission rate is based on a rolling daily average until March 1, 1995. After March 1, 1995, this limit will be based on a rolling hourly average.
- (6) The maximum rolling hourly average CO emission rate until March 1, 1995.

- \* 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\_\_\_\_\_