

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 30275

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
EP-FLARE1	East Plant Flare (4)	CO	14.06	61.59
		NO <sub>x</sub>	2.76	12.09
		VOC	0.25	1.08
TK-147	Storage Tank 147	VOC	0.34	0.19
TK-209	Storage Tank 209	VOC	0.16	
TK-214	Storage Tank 214	VOC	0.20	
	Total Annual Emissions for 0.49 EPNs TK-209 and TK-214		VOC	
TK-115	Storage Tank 115	VOC	0.07	
TK-116	Storage Tank 116	VOC	0.07	
	Total Annual Emissions for 0.10 EPNs TK-115 and TK-116		VOC	
84-CT2	No. 2 Cooling Tower	VOC	0.08	0.34
NONENE1-FE	Fugitives (5)	VOC	3.77	16.53

(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

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or fugitive source name.

- (3) CO - carbon monoxide  
NO<sub>x</sub> - total oxides of nitrogen  
PM<sub>10</sub> - particulate matter less than 10 microns  
SO<sub>2</sub> - sulfur dioxide  
SO<sub>3</sub> - sulfur trioxide  
VOC - volatile organic compounds as defined in General Rule 101.1
- (4) Emissions contributed to the east plant flare by the cumene/nonene Unit.
- (5) 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

\*\* Estimate: 0.5 percent of SO<sub>2</sub> emissions are in the form of SO<sub>3</sub>.

Dated \_\_\_\_\_