

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 7694

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
59A	E38 Vent	VOC	1.14	0.81
59B	E39 Vent	VOC	12.70	0.78
59C	E40 Vent	VOC	10.58	1.46
59D	E41 Vent	VOC	10.58	0.84
59E	E42 Vent	VOC	10.58	1.46
59F	E43 Vent	VOC	10.58	2.57
64	Loading Scrubber	VOC	1.56	1.43
64-F	Loading Fugitives (4)	VOC	4.10	3.76
53 Only	Compressor Seal Leakage Collection Pot	CO	Start-up Emissions	
32, 33	Reformer F-101 Heater	VOC	0.22	0.96
		NO <sub>x</sub>	33.33	145.99
		PM <sub>10</sub>	2.82	12.35
		CO	26.36	11.54
		SO <sub>2</sub>	0.34	1.48
		H <sub>2</sub> S	0.01	0.01
16	East Flare	VOC	11.90	33.40
		NO <sub>x</sub>	9.08	9.40
		CO	33.64	53.03
		SO <sub>2</sub>	<0.01	<0.01

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			lb/hr	TPY
		H <sub>2</sub> S	<0.01	<0.01
101	Ammonia Recovery System Vent	CO	0.89	3.89
		NH <sub>3</sub>	0.30	1.31
102	Cooling Tower, South	VOC	0.59	2.58
103	Cooling Tower, North	VOC	0.40	1.75
104	API Separator	VOC	0.54	2.37
F113	Plant Fugitives (4)	VOC	2.56	11.20
LOAD-FUG	Marine Loading Fugitives (4)	Methanol	0.03	0.14
TOF	Thermal Oxidizing Flare	Methanol	9.24	0.64
		NO <sub>x</sub>	5.12	0.35
		CO	7.84	0.54

(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

CO - carbon monoxide

NO<sub>x</sub> - total oxides of nitrogen

PM<sub>10</sub> - particulate matter less than 10 microns in diameter

SO<sub>2</sub> - sulfur dioxide

H<sub>2</sub>S - hydrogen sulfide

NH<sub>3</sub> - ammonia

(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

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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 \_\_\_\_\_