

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19823

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
A3HA35	A-3 Waste Heat Boiler	VOC	1.88	6.70
		NO <sub>x</sub>	60.51	242.28
		CO	28.48	108.93
		SO <sub>2</sub>	3.16	13.67
		PM <sub>10</sub>	4.36	16.99
A3HA32	Heater H-A3-2	VOC	0.03	0.11
		NO <sub>x</sub>	1.68	7.36
		CO	0.69	3.03
		SO <sub>2</sub>	0.14	0.29
		PM	0.09	0.38
A3HA33	Heater H-A3-3	VOC	0.02	0.09
		NO <sub>x</sub>	1.40	6.14
		CO	0.58	2.52
		SO <sub>2</sub>	0.11	0.24
		PM	0.08	0.32
A3HA34	Heater H-A3-4	VOC	0.02	0.09
		NO <sub>x</sub>	1.40	6.14
		CO	0.58	2.52
		SO <sub>2</sub>	0.11	0.24
		PM	0.08	0.32
A3FUG	Fugitives (4)	VOC	68.27	299.01
UER044	Flare No. 1	VOC	63.92	1.92
		NO <sub>x</sub>	14.44	0.80
		CO	75.04	4.18
		SO <sub>2</sub>	34.36	2.32
		Acetone	0.09	0.03

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## EMISSION SOURCES - FINAL EMISSION RATE CAPS

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
UER046	Flare No. 2	VOC	63.92	1.92
		NO <sub>x</sub>	14.44	0.80
		CO	75.04	4.18
		SO <sub>2</sub>	34.36	2.32
		Acetone	0.09	0.03
UER037	Flare No. 3	VOC	717	5.82
		NO <sub>x</sub>	365.7	2.50
		CO	1901	13.00
		SO <sub>2</sub>	0.01	0.01
RSET043	Tank T-O-43	VOC	0.55	1.60
RSET087	Tank T-O-87	VOC	0.67	2.48
RSET088	Tank T-O-88	VOC	0.07	0.27
RSET039	Tank T-O-39	VOC	0.75	0.05
RSET040	Tank T-O-40	VOC	0.75	0.05
A3TA329	Tank T-A3-29	VOC	1.02	0.03
A3TA339	Tank T-A3-39	VOC	16.39	0.11
CT-4	Cooling Tower No. 4 (5)	VOC	1.58	6.92
CT-1	Cooling Tower No. 1 (5)	VOC	0.59	

(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.

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- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
NO<sub>x</sub> - oxides of nitrogen
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The total annual cooling tower emissions shall not exceed the 6.92 TPY shown for Cooling Tower No. 4.

\* 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

Dated \_\_\_\_\_