

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 6825A and PSD-TX-49

## EMISSION CAP TABLE

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.

See Attachment I for Source Name and Emission Point Number Index.

### VOC EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units, Flares, FCCU, Tanks, 2873	1996	3,914	2851
	1997	3,911	2859
	1998		3,897
Cooling Towers, Marine Loading, Fugitives (4), and Sulfur Recovery Units	1999	3,812	2612
	2000	801	2208
	2001	690	1771
	2002	647	1582
	2003	569	1299
	2004 (Final)	569	1277

### NO<sub>x</sub> EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units, Flares, FCCU, Marine Loading, and Sulfur Recovery Units	1996	3,458	15146
	1997	3,458	15146
	1998	2,873	12583
	1999	2,523	11050
	2000	2,352	10263
	2001	1,609	7012
	2002	1,405	6117
	2003	379	1624
	2004 (Final)	543	2338

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

SO<sub>2</sub> EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units, Flares, FCCU, Marine Loading, and Sulfur Recovery Units	1996	1,475	6459
	1997	1,394	6105
	1998	1,347	6064
	1999	1,347	6064
	2000	1,338	6026
	2001	1,325	5896
	2002	1,353	5948
	2003	1,364	5996
	2004 (Final)	720	3267

CO EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units, Flares, FCCU, Marine Loading, and Sulfur Recovery Units	1996	1,299	5690
	1997	1,299	5690
	1998	1,271	5569
	1999	1,276	5588
	2000	1,277	5519
	2001	1,276	5513
	2002	1,278	5522
	2003	1,270	5507
	2004 (Final)	861	3713

PM EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units, FCCU, and Sulfur Recovery Units	1996	153	671
	1997	153	671
	1998	150	656
	1999	150	656
	2000	148	647
	2001	148	647
	2002	150	659
	2003	151	660
	2004 (Final)	126	553

H<sub>2</sub>S EMISSION CAP

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

<u>Source Name</u>	<u>Year</u>	<u>lb/hr</u>	<u>TPY</u>
Sulfur Recovery Units, Flares, Fugitive (4), and Land Loading	1996	5.7	25.1
	1997	5.7	25.1
	1998	4.6	20.0
	1999	3.5	15.0
	2000	2.5	10.0
	2001	1.3	5.0
	2002	1.3	5.0
	2003	1.3	5.0
	2004 (Final)	0.5	1.7

## HF EMISSION CAP

<u>Source Name</u>	<u>Year</u>	<u>lb/hr</u>	<u>TPY</u>
Fugitives (4) and Fired Units	1996 (Initial)	0.5	2.4
	1997	0.5	2.4
	1998	0.5	2.4
	1999	0.5	2.4
	2000	0.5	2.4
	2001	0.5	2.4
	2002	0.5	2.4
	2003	0.5	2.4
	2004	0.5	2.4

NH<sub>3</sub> EMISSION CAP

<u>Source Name</u>	<u>Year</u>	<u>lb/hr</u>	<u>TPY</u>
Fugitives (4) and Tanks	1996 (Initial)	0.1	0.2
	1997	0.1	0.2
	1998	0.1	0.2
	1999	0.1	0.2
	2000	0.1	0.2
	2001	0.1	0.2
	2002	0.1	0.2
	2003	0.1	0.2
	2004	0.1	0.2

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SPECIATED VOC EMISSION CAPS

Benzene CAP

Source Name	Year	lb/hr	TPY
Tanks, Flares, Fugitives (4), and Marine Loading	1996	11.6	14.9
	1997	10.9	11.6
	1998	10.9	11.5
	1999	10.8	11.3
	2000	10.8	11.2
	2001	2.9	9.7
	2002	2.9	9.7
	2003	2.9	9.7
	2004	2.9	9.7

MTBE CAP

Source Name	Year	lb/hr	TPY
Tanks, Fugitives (4), and Marine Loading	1996	19.2	31.1
	1997	19.2	31.1
	1998	19.2	31.1
	1999	19.2	31.1
	2000	13.2	30.4
	2001	13.2	30.4
	2002	13.2	30.4
	2003	13.2	30.4
	2004	13.2	30.4

(1) Emission point identification - either specific equipment designation or emission point number from plot plan per Attachment 1.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
- NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM - particulate matter
  - CO - carbon monoxide
  - H<sub>2</sub>S - hydrogen sulfide
  - MTBE - methyl tert-butyl ether
  - NH<sub>3</sub> - ammonia
  - HF - hydrogen fluoride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

Dated \_\_\_\_\_