

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

| <u>Source Name</u> | <u>Year</u> | <u>lb/hr</u> | <u>TPY</u> |
|---|--------------|--------------|------------|
| Fired Units, FCCU, Tanks, 2873 | 1996 | 3914 | 2851 |
| | 1997 | 3911 | 2859 |
| | 1998 | | 3897 |
| Cooling Towers, Marine Loading, Fugitives (4), and Sulfur Recovery Units | 1999 | 3812 | 2612 |
| | 2000 | 801 | 2208 |
| | 2001 | 690 | 1771 |
| | 2002 | 647 | 1582 |
| | 2003 | 569 | 1299 |
| | 2004 (Final) | 569 | 1277 |

NO_x EMISSION CAP

| <u>Source Name</u> | <u>Year</u> | <u>lb/hr</u> | <u>TPY</u> |
|---|--------------|--------------|------------|
| Fired Units, FCCU, Marine Loading, and Sulfur Recovery Units | 1996 | 3458 | 15146 |
| | 1997 | 3458 | 15146 |
| | 1998 | 2873 | 12583 |
| | 1999 | 2523 | 11050 |
| | 2000 | 2352 | 10263 |
| | 2001 | 1609 | 7012 |
| | 2002 | 1405 | 6117 |
| | 2003 | 379 | 1624 |
| | 2004 (Final) | 543 | 2338 |

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SO₂ EMISSION CAP

| Source Name | Year | lb/hr | TPY |
|--|--------------|-------|------|
| Fired Units , FCCU, Marine Loading, and Sulfur Recovery Units | 1996 | 1475 | 6459 |
| | 1997 | 1394 | 6105 |
| | 1998 | 1347 | 6064 |
| | 1999 | 1347 | 6064 |
| | 2000 | 1338 | 6026 |
| | 2001 | 1325 | 5896 |
| | 2002 | 1353 | 5948 |
| | 2003 | 1364 | 5996 |
| | 2004 (Final) | 720 | 3267 |

CO EMISSION CAP

| Source Name | Year | lb/hr | TPY |
|---|--------------|-------|------|
| Fired Units, FCCU, Marine Loading, and Sulfur Recovery Units | 1996 | 1299 | 5690 |
| | 1997 | 1299 | 5690 |
| | 1998 | 1271 | 5569 |
| | 1999 | 1276 | 5588 |
| | 2000 | 1277 | 5519 |
| | 2001 | 1276 | 5513 |
| | 2002 | 1278 | 5522 |
| | 2003 | 1270 | 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 |

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H₂S EMISSION CAP

| Source Name | Year | lb/hr | TPY |
|---|--------------|-------|------|
| Sulfur Recovery Units, 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

| Source Name | Year | lb/hr | TPY |
|----------------------------------|----------------|-------|-----|
| 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 |

NH₃ EMISSION CAP

| Source Name | Year | lb/hr | TPY |
|----------------------------|----------------|-------|-----|
| 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 |

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2004 0.1 0.2

SPECIATED VOC EMISSION CAPS

Benzene CAP

| Source Name | Year | lb/hr | TPY |
|--|------|-------|------|
| Tanks, 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_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - particulate matter
 - CO - carbon monoxide
 - H₂S - hydrogen sulfide
 - MTBE - methyl tert-butyl ether
 - NH₃ - ammonia
 - HF - hydrogen fluoride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

Dated _____