

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 6825Z and PSD-TX-49Z

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, FCCU, Tanks, 2873	1996	3914	2851
	1997	3911	2859
	1998	3897	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

Source Name	Year	lb/hr	TPY
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

H₂S EMISSION CAP

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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
	2004	0.1	0.2

SPECIATED VOC EMISSION CAPS

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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 _____