

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 9449 and PSD-TX-463

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) (4)	Emission Rates *	
			lb/hr (5)	TPY (6)
1	Unit 1 Main	ZERO EMISSIONS		
2	Unit 1 Exhaust Bag Filter Stack	SO <sub>2</sub>	126.66	431.6
		H <sub>2</sub> S	0.25	0.9
		CS <sub>2</sub>	0.36	1.2
		COS	0.05	0.2
		CO	12.56	55.0
		HCN	0.02	0.1
		VOC	0.32	1.4
		NO <sub>x</sub>	19.38	84.9
		PM <sub>10</sub>	3.94	17.3
4	Stack for Firebox Units 1, 2, and 3	SO <sub>2</sub>	42.22	143.9
		H <sub>2</sub> S	0.08	0.3
		CS <sub>2</sub>	0.12	0.4
		COS	0.02	0.1
		CO	4.19	18.3
		HCN	0.01	<0.1
		VOC	0.11	0.5
		NO <sub>x</sub>	6.46	28.3
		PM <sub>10</sub>	2.06	9.0
5	Unit 2 Main Bag Filter	ZERO EMISSIONS		

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3) (4)	<u>Emission Rates *</u>	
			<u>lb/hr (5)</u>	<u>TPY (6)</u>
6	Unit 2 Exhaust Bag Filter Stack	SO <sub>2</sub>	126.66	431.6
		H <sub>2</sub> S	0.25	0.9
		CS <sub>2</sub>	0.36	1.2
		COS	0.05	0.2
		CO	12.56	55.0
		HCN	0.02	0.1
		VOC	0.32	1.4
		NO <sub>x</sub>	19.38	84.9
		PM <sub>10</sub>	3.94	17.3
8	Unit 3 Main Bag Filter	ZERO EMISSIONS		
9	Unit 3 Exhaust Bag Filter Stack	SO <sub>2</sub>	126.66	431.6
		H <sub>2</sub> S	0.25	0.9
		CS <sub>2</sub>	0.36	1.2
		COS		0.05
		0.2		
		CO	12.56	55.0
		HCN	0.02	0.1
		VOC	0.32	1.4
		NO <sub>x</sub>	19.38	84.9
21	Flare No. 1	PM <sub>10</sub>	3.94	17.3
		SO <sub>2</sub>	976.62	3328.0
		H <sub>2</sub> S	4.02	13.7
		CS <sub>2</sub>	5.28	18.0
		COS		.82
		2.8		
		CO	186.94	818.8
		HCN	0.34	1.5
		VOC	5.10	22.3
		NO <sub>x</sub>	27.63	121.0
		PM <sub>10</sub>	10.14	44.4

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			lb/hr (5)	TPY (6)
23	Flare No. 2	SO <sub>2</sub>	698.38	2379.3
		H <sub>2</sub> S	2.92	9.9
		CS <sub>2</sub>	3.69	12.6
		COS		.58
	2.0	CO	131.14	574.4
		HCN	0.24	1.1
		VOC	6.9	30.2
		NO <sub>x</sub>	19.38	84.9
		PM <sub>10</sub>	7.24	31.7

- (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) SO<sub>2</sub> - sulfur dioxide  
H<sub>2</sub>S - hydrogen sulfide  
CS<sub>2</sub> - carbon disulfide  
COS - carbonyl sulfide  
CO - carbon monoxide  
HCN - hydrogen cyanide  
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
PM<sub>10</sub> - particulate matter less than 10 microns in diameter
- (4) Emissions of SO<sub>2</sub>, NO<sub>x</sub>, and PM<sub>10</sub> have undergone PSD review.
- (5) Pound per hour emissions are based upon a maximum 4.5 percent feedstock sulfur content averaged over an hourly basis.
- (6) Ton per year emission rates are based upon a maximum 3.0 percent feedstock sulfur content averaged over a rolling 30-day period.

\* 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

Dated May 15, 2001