

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr (6)	TPY (5)

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Permit No. 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)	Emission Rates *	
			lb/hr (6)	TPY (5)
1	Unit 1 Main	ZERO EMISSIONS		
2	Unit 1 Exhaust Bag Filter	SO <sub>2</sub>	81.25	227.6
		PM <sub>10</sub>	1.85	7.8
		VOC	0.21	0.9
		NO <sub>x</sub>	2.01	
8.5		CO	8.05	33.8
		H <sub>2</sub> S	0.16	0.4
		CS <sub>2</sub>	0.23	0.6
		COS	0.04	0.1
4	Units 1, 2, and 3 Dryer Stack	NO <sub>x</sub>	1.21	5.1
		SO <sub>2</sub>	27.08	75.9
		PM <sub>10</sub>	1.11	4.7
		VOC	0.07	0.3
		CO	2.68	11.3
		H <sub>2</sub> S	0.05	0.2
		CS <sub>2</sub>	0.08	0.2
5	Unit 2 Main Bag Filter	ZERO EMISSIONS		
6	Unit 2 Exhaust Bag Filter	SO <sub>2</sub>	81.25	227.6
		PM <sub>10</sub>	1.85	7.8
		VOC	0.21	0.9

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr (6)	TPY (5)
8.5		NO <sub>x</sub>	2.01	
		CO	8.05	33.8
		H <sub>2</sub> S	0.16	0.4
		CS <sub>2</sub>	0.23	0.6
		COS	0.04	0.1
8	Unit 3 Main Bag Filter	ZERO EMISSIONS		
9	Unit 3 Exhaust Bag Filter	SO <sub>2</sub>	81.25	227.6
		PM <sub>10</sub>	1.85	7.8
		VOC	0.21	0.9
		NO <sub>x</sub>	2.01	
8.5		CO	8.05	33.8
		H <sub>2</sub> S	0.16	0.4
		CS <sub>2</sub>	0.23	0.6
		COS	0.04	0.1

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr (6)	TPY (5)
21	Flare No. 1 (4)	SO <sub>2</sub>	626.45	1754.5
		PM <sub>10</sub>	1.04	4.4
		VOC	3.27	13.7
		NO <sub>x</sub>	4.05	
17.0		CO	119.91	503.6
		H <sub>2</sub> S	2.58	7.2
		CS <sub>2</sub>	3.38	9.5
		COS	0.53	1.5
23	Flare No. 2	SO <sub>2</sub>	461.92	1293.4
		PM <sub>10</sub>	0.76	3.2
		VOC	2.43	10.2
		NO <sub>x</sub>	2.93	
12.3		CO	86.74	364.3
		H <sub>2</sub> S	1.93	5.4
		CS <sub>2</sub>	2.44	6.8
		COS	0.38	1.1

- (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) VOC - volatile organic compounds as defined in General Rule 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM<sub>10</sub> - particulate matter less than 10 microns in diameter  
 CO - carbon monoxide  
 H<sub>2</sub>S - hydrogen sulfide  
 CS<sub>2</sub> - carbon disulfide  
 COS - carbonyl sulfide
- (4) Sulfur dioxide emissions are also regulated under PSD permit PSD-TX-463.
- (5) Ton per year emission rates are based upon a maximum 3.0 percent feedstock sulfur content averaged over a rolling thirty day period.
- (6) Pound per hour emissions are based upon a maximum 4.5 percent feedstock sulfur content averaged over an hourly basis.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr (6)	TPY (5)
	Hrs/day <u>24</u>	Days/week <u>7</u>	Weeks/year <u>52</u>	or Hrs/year <u>8,760</u>

Dated: \_\_\_\_\_