

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 19282 and PSD-TX-1081

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	TPY**
101	Unit No. 8 Stack Pre Emission Control	CO	1.48	6.49
		H <sub>2</sub> SO <sub>4</sub>	7.45	32.63
		NO <sub>x</sub>	3.06	13.42
		SO <sub>2</sub> (5)	1997.00	8576.00
		VOC	0.27	0.02
	Post Emission Control	CO		5.87
			7.96	
		H <sub>2</sub> SO <sub>4</sub> (6)	16.25	71.18
		NO <sub>x</sub>	14.65	43.07
		PM <sub>10</sub>	0.37	0.03
		SO <sub>2</sub>	325.03	806.65
		VOC	0.27	0.02
		Ag	0.022	0.095
		As	0.068	0.297
		Ba	0.023	0.099
		Be	0.014	0.063
		Cd	0.014	0.063
		Cl <sub>2</sub>	0.721	3.159
		Cr	0.077	0.337
		Hg	0.0004	0.002
		Ni	0.061	0.267
		Pb	0.032	0.141
		Sb	0.037	0.158
		Se	0.044	0.192
		Tl	0.014	0.063
102	Acid Pump Tank	SO <sub>2</sub>	0.01	0.01
FE1	Process Fugitives (4)	SO <sub>2</sub>	0.01	0.03

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- (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)
  - Ag - silver
  - As - arsenic
  - Ba - barium
  - Be - beryllium
  - Cd - cadmium
  - Cl<sub>2</sub> - chlorine
  - CO - carbon monoxide
  - Cr - chromium
  - Hg - mercury
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid mist
  - Ni - nickel
  - NO<sub>x</sub> - total oxides of nitrogen
  - Pb - lead
  - PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
  - Sb - antimony
  - Se - selenium
  - SO<sub>2</sub> - sulfur dioxide
  - Tl - thallium
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) A maximum allowable 24-hour SO<sub>2</sub> emission rate is established by the equation given in Special Condition No. 6.
- (6) PSD-TX-1081 pollutant

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

Hrs/day 24 Days/week 7 Weeks/year 52

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

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Date: August 1, 2007