

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 84135

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
**				
450	SAC2 Process Vent	H <sub>2</sub> SO <sub>4</sub>	0.47	2.06
		CO	7.13	31.21
		NO <sub>x</sub>	0.40	1.73
		VOC	0.01	0.05
		NH <sub>3</sub>	0.01	0.02
452	Ammonia Fugitives (4)	NH <sub>3</sub>	0.01	0.02
812	Cooling Tower	PM <sub>10</sub>	0.32	1.42
Planned Maintenance, Start-up, and Shutdown Activities Emissions:				
SU-SD	SAC2 Plant Start-up and Shutdown (60 hours per year)	H <sub>2</sub> SO <sub>4</sub>	0.47	0.01
		CO	7.13	0.21
		NO <sub>x</sub>	0.40	0.01
		VOC	0.01	0.01
		NH <sub>3</sub>	0.01	0.01
INS	Maintenance Activities	H <sub>2</sub> SO <sub>4</sub>	0.10	0.03

(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) H<sub>2</sub>SO<sub>4</sub> - sulfuric acid  
 CO - carbon monoxide  
 NO<sub>x</sub> - total oxides of nitrogen  
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 NH<sub>3</sub> - ammonia

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter

- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

\* 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

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

Dated May 30, 2008