

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21000

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
7-BV	Building Vents (17 Total)	H <sub>2</sub> S	2.53	7.59
		NH <sub>3</sub>	5.29	11.62
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.16
7-S	Acid Tank	H <sub>2</sub> SO <sub>4</sub>	<0.01	0.16
7-SC	Tannery Two-Stage Scrubber	H <sub>2</sub> S	0.66	1.04
		NH <sub>3</sub>	0.14	0.14
		COS	0.40	0.32
		CS <sub>2</sub>	<0.01	<0.01
7-P	Pickle Tanks (4 Total)	H <sub>2</sub> SO <sub>4</sub>	0.16	0.81
7-C	Chase Vents (6 Total)	H <sub>2</sub> S	1.54	3.57
		NH <sub>3</sub>	1.27	2.76
		COS	1.20	0.08
7-L	Lime Silo	PM/PM <sub>10</sub>	1.15	0.08
7-A	Re-Acidulate Tank	H <sub>2</sub> SO <sub>4</sub>	0.16	0.81
		H <sub>2</sub> S	0.50	2.20
		COS	<0.01	0.01
7-D	Hairburn/Delime Drums (6 Total)	H <sub>2</sub> S	1.11	1.80
		NH <sub>3</sub>	0.08	0.08
		H <sub>2</sub> SO <sub>4</sub>	0.07	0.42
		COS	0.02	0.09
		CS <sub>2</sub>	0.01	0.04

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1-FLARE	Biogas Flare (Scrubber No. 1 and Anaerobic Lagoons)	NO <sub>x</sub>	3.99	17.48
		CO	34.19	149.75
		VOC	2.75	12.05
		SO <sub>2</sub>	46.86	205.25
		H <sub>2</sub> S	0.50	2.19
2-SC	Scrubber No. 2 (Mix Basin, Clarifiers and Sludge Press)	H <sub>2</sub> S	0.72	3.15

(1) Emission point identification- either specific equipment designation or emission point number from a

plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

(3) Exempt Solvent as - Those carbon compounds or mixtures of carbon compounds used

organic solvents which have been excluded from the definition of volatile compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>

and PM<sub>2.5</sub>

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

CO - carbon monoxide

H<sub>2</sub>S - hydrogen sulfide

NH<sub>3</sub> - anhydrous ammonia

H<sub>2</sub>SO<sub>4</sub> - sulfuric acid

COS - carbonyl sulfide

CS<sub>2</sub> - carbon disulfide

Date: February 9, 2009