

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4081

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)	<u>Emission Rates</u>	
			lb/hr	TPY
E-1	Cross-Flow Scrubber (a) (100,000 cfm) [Animal By-Products, Meal Processing, and Grease Processing Buildings]	PM <sub>10</sub>	0.91	3.37
		SO <sub>2</sub>	0.46	1.72
		NO <sub>x</sub>	0.21	0.79
		CO	0.43	1.61
		VOC	1.88	7.05
E-2	Packed Bed Scrubber (a) (60,000 cfm) [Animal By-Products, Meal Processing, and Grease Processing Buildings]	PM <sub>10</sub>	0.91	3.37
		SO <sub>2</sub>	0.06	0.22
		NO <sub>x</sub>	0.10	0.37
		CO	0.22	0.82
		VOC	0.87	3.26
E-3	Packed Bed Scrubber (a) (50,000 cfm) [Grease Processing Building]	PM <sub>10</sub>	0.90	3.37
		SO <sub>2</sub>	0.03	0.11
		NO <sub>x</sub>	0.03	0.12
		CO	0.20	0.75
		VOC	0.72	2.70
E-4	Bonemeal Silo No. 1 (b)	PM	0.15	0.28
		PM <sub>10</sub>	0.02	0.04
E-5	Bonemeal Silo No. 2 (b)	PM	0.15	0.28
		PM <sub>10</sub>	0.02	0.04
E-6	Grease Storage Tank Farm (a) (11 Tanks)	VOC	<0.01	<0.01
E-7	Truck Loading (a)	VOC	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
E-8	Railcar Loading (a)	VOC	<0.01	<0.01
E-9	Boiler (a) (67.2 MMBtu/hr)	PM <sub>10</sub>	0.50	1.76
		SO <sub>2</sub>	0.04	0.14
		NO <sub>x</sub>	6.59	23.13
		CO	5.53	19.42
		VOC	0.36	1.27

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

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

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

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

CO - carbon monoxide

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

(a) Emission rates are based on and the facilities are limited by the following maximum operating schedule:

\_\_\_\_\_Hrs/day \_\_\_\_\_Days/week \_\_\_\_\_Weeks/year or 7,488 Hrs/year

(b) Emission rates are based on and the facilities are limited to 8.68 tons per hour of bonemeal and 32,500 tons per year of bonemeal.

Dated February 21, 2005