

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, sources, and related activities. 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 (4)	
			lbs/hour	TPY
E-1	Cross-Flow Scrubber (a) (100,000 cfm) [Animal By-Products, Meal Processing, and Grease Processing Buildings]	PM	0.91	3.37
		PM ₁₀	0.91	3.37
		PM _{2.5}	0.91	3.37
		SO ₂	0.46	1.72
		NO _x	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	0.91	3.37
		PM ₁₀	0.91	3.37
		PM _{2.5}	0.91	3.37
		SO ₂	0.06	0.22
		NO _x	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	0.90	3.37
		PM ₁₀	0.90	3.37
		PM _{2.5}	0.90	3.37
		SO ₂	0.03	0.11
		NO _x	0.03	0.12
		CO	0.20	0.75

Emission Sources - Maximum Allowable Emission Rates

		VOC	0.72	2.70
E-4	Bonemeal Silo No. 1 (b)	PM	0.15	0.28
		PM ₁₀	0.02	0.04
		PM _{2.5}	0.02	0.04
E-5	Bonemeal Silo No. 2 (b)	PM	0.15	0.28
		PM ₁₀	0.02	0.04
		PM _{2.5}	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
E-8	Railcar Loading (a)	VOC	<0.01	<0.01
E-9	Boiler (c) (67.2 MMBtu/hr)	PM	5.6	24.4
		PM ₁₀	5.6	24.4
		PM _{2.5}	5.6	24.4
		SO ₂	0.1	0.5
		NO _x	6.4	28.0
		CO	10.5	45.9
		VOC	3.4	14.7

- (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) PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - SO₂ - sulfur dioxide
 - NO_x - total oxides of nitrogen
 - CO - carbon monoxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Emission Sources - Maximum Allowable Emission Rates

(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.

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

____Hrs/day ____Days/week ____Weeks/year or 8,760 Hrs/year

Date: November 17, 2014