

Emission Sources - Maximum Allowable Emission Rates

Permit Number 1074

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 (6)	
			lbs/hour	TPY (4)
1-E-DRYER	Spray Tower Scrubber Stack (Edible Dryer Exhaust)	PM	2.01	8.80
		PM ₁₀	2.01	8.80
		PM _{2.5}	2.01	8.80
		VOC	1.77	7.76
		NO _x	6.24	27.33
		CO	2.46	10.77
		SO ₂	0.49	2.15
1-E-SC	Packed Tower Scrubber Stack - Edible Rendering Room Air (includes Bone Bin, Rotex Screen, Foresberg Bone Separation Equipment, Low Protein Silo & Gelatin Bone Silo)	PM	0.99	3.76
		PM ₁₀	0.89	3.43
		PM _{2.5}	0.89	3.43
3A-E-LOAD	Truck Unloading (5)	PM	1.58	1.55
		PM ₁₀	0.53	0.52
		PM _{2.5}	0.09	0.09
4-E-LOAD	Rail Conveyor (5)	PM	0.54	0.53
		PM ₁₀	0.30	0.29
		PM _{2.5}	0.05	0.05
5-E-LOAD	Product Loadout to Railcar (5)	PM	0.25	0.24
		PM ₁₀	0.02	0.02
		PM _{2.5}	<0.01	<0.01
3B-E-LOAD	Shaker Screen (5)	PM	13.13	12.88
		PM ₁₀	3.33	3.26

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	0.56	0.55
1-IRAS	Scrubber System No. 1 Stack (Blood Dryer Venturi Scrubber, Blood Centrifuge and Conveyors, Flotation Rendering Equipment, Blood & Flotation Rendering Areas Room Air, and Meat & Bone Meal Processing Room Air)	PM	0.88	3.84
		PM ₁₀	0.88	3.84
		PM _{2.5}	0.88	3.84
		VOC	0.63	2.74
		NO _x	2.12	9.29
		CO	0.84	3.68
		SO ₂	0.17	0.74
		COS	0.04	0.17
2-IRAS	Scrubber System No. 2 Stack (Inedible Cookers, Inedible Perk Pans, Expellers, Bird Decanters, Drainer Screws, Screw Conveyors, and Inedible Rendering Room Air)	PM	1.15	4.91
		PM ₁₀	1.15	4.91
		PM _{2.5}	1.15	4.91
		VOC	1.04	4.56
		NO _x	0.03	0.14
		CO	0.03	0.14
		SO ₂	0.07	0.29
4-I-LOAD	M and B Meal Railcar Loadout Spout (5)	PM	0.38	0.86
		PM ₁₀	0.03	0.07
		PM _{2.5}	0.01	0.01
6-I-LOAD	M and B Meal Railcar Loading Bagfilter Stack	PM	0.26	1.14
		PM ₁₀	0.26	1.14
		PM _{2.5}	0.26	1.14
7-I-LOAD	M and B Meal Truck Loading Bagfilter Stack	PM	0.26	1.14
		PM ₁₀	0.26	1.14
		PM _{2.5}	0.26	1.14
1-B-LOAD	Blood Meal Railcar Loadout Spout (5)	PM	0.58	0.28
		PM ₁₀	0.05	0.02
		PM _{2.5}	0.01	<0.01

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3-B-LOAD	Blood Meal Railcar Loading Bagfilter Stack	PM	0.17	0.74
		PM ₁₀	0.17	0.74
		PM _{2.5}	0.17	0.74
--	Land Application of Paunch	PM	(7)	(7)
		PM ₁₀	(7)	(7)
		PM _{2.5}	(7)	(7)
		Odors	(7)	(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 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} - total particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
 COS - carbonyl sulfide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.
- (7) Emission rates are not quantifiable.

Date: November 3, 2016