

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 5998

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)
EP001A	Truck Receiving Pit (5)	PM	2.55	-
		PM <sub>10</sub>	0.38	-
		PM <sub>2.5</sub>	0.06	-
EP001B	Railcar Receiving Pits (North and South Pits) (5)	PM	25.50	-
		PM <sub>10</sub>	3.75	-
		PM <sub>2.5</sub>	0.64	-
EP001A and EP001B	Truck Receiving Pit & Railcar Receiving Pits (5)	PM	-	10.57
		PM <sub>10</sub>	-	1.56
		PM <sub>2.5</sub>	-	0.26
EP002	Surge Bin Baghouse Stack	PM	0.41	0.86
		PM <sub>10</sub>	0.41	0.86
		PM <sub>2.5</sub>	0.41	0.86
EP003	Surge Bin Baghouse Stack	PM	0.41	0.86
		PM <sub>10</sub>	0.41	0.86
		PM <sub>2.5</sub>	0.41	0.86
EP006	Hammer Mill 1 Baghouse Stack	PM	0.72	-
		PM <sub>10</sub>	0.72	-
		PM <sub>2.5</sub>	0.72	-
EP007	Hammer Mill 2 Baghouse Stack	PM	0.72	-
		PM <sub>10</sub>	0.72	-
		PM <sub>2.5</sub>	0.72	-
EP008	Hammer Mill 3 Baghouse Stack	PM	0.72	-
		PM <sub>10</sub>	0.72	-
		PM <sub>2.5</sub>	0.72	-
EP009	Roller Mill Baghouse	PM	0.72	-

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		PM <sub>10</sub>	0.72	-
		PM <sub>2.5</sub>	0.72	-
EP006, EP007, EP008, & EP009	Total Hammer Mills 1, 2, & 3 and Roller Mill (Baghouse Stacks)	PM	-	4.80
		PM <sub>10</sub>	-	4.80
		PM <sub>2.5</sub>	-	4.80
EP010	Ground Grain Distribution System Baghouse Stack	PM	0.41	1.54
		PM <sub>10</sub>	0.41	1.54
		PM <sub>2.5</sub>	0.41	1.54
EP011	Main Ingredient Receiving Distribution System Baghouse Stack	PM	0.41	0.86
		PM <sub>10</sub>	0.41	0.86
		PM <sub>2.5</sub>	0.41	0.86
EP013B	Pellet Cooling System Line No. 1 Cyclone Stack	PM	1.09	-
		PM <sub>10</sub>	0.15	-
		PM <sub>2.5</sub>	0.15	-
EP013	Pellet Cooling System Line No. 4 Cyclone Stack	PM	1.09	-
		PM <sub>10</sub>	0.15	-
		PM <sub>2.5</sub>	0.15	-
EP013A	Pellet Cooling System Line No. 5 Cyclone Stack	PM	0.39	-
		PM <sub>10</sub>	0.05	-
		PM <sub>2.5</sub>	0.05	-
EP013C	Pellet Cooling System Line No. 6 Cyclone Stack	PM	0.16	-
		PM <sub>10</sub>	0.02	--
		PM <sub>2.5</sub>	0.02	-

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EP013, EP013A, EP013B, & EP013C	Pellet Cooling System Lines 1, 4, 5, & 6 (4 Cyclone Stacks)	PM	-	8.94
		PM <sub>10</sub>	-	1.23
		PM <sub>2.5</sub>	-	1.23
EP015	Finished Feed Loadout No. 1 (5)	PM	0.66	-
		PM <sub>10</sub>	0.16	-
		PM <sub>2.5</sub>	0.03	-
EP015A	Finished Feed Loadout No. 2 (5)	PM	0.66	-
		PM <sub>10</sub>	0.16	-
		PM <sub>2.5</sub>	0.03	-
EP027	Experimental Finished Feed Loadout (5)	PM	0.66	-
		PM <sub>10</sub>	0.16	-
		PM <sub>2.5</sub>	0.03	-
EP015, EP015A, & EP027	Finished Feed Loadout No. 1 and No. 2, and Experimental Finished Feed Loadout (5)		-	0.94
			-	0.23
			-	0.04
EP015B	Bulk Grain Loadout (5)	PM	4.82	2.15
		PM <sub>10</sub>	1.62	0.73
		PM <sub>2.5</sub>	0.27	0.12
EP016	1200 HP Boiler Stack	PM	0.37	1.36
		PM <sub>10</sub>	0.37	1.36
		PM <sub>2.5</sub>	0.37	1.36
		NO <sub>x</sub>	4.90	17.89
		CO	4.12	15.03
		SO <sub>2</sub>	0.03	0.11
		VOC	0.27	0.98
EP017	Grain Storage Bins Vents	PM	37.50	11.26
		PM <sub>10</sub>	9.45	2.84
		PM <sub>2.5</sub>	1.65	0.50
EP018	Receiving/Transfer System No. 1	PM	0.41	0.86

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		PM <sub>10</sub>	0.41	0.86
		PM <sub>2.5</sub>	0.41	0.86
EP019	Receiving/Transfer System No. 2 Baghouse Stack	PM	0.41	0.86
		PM <sub>10</sub>	0.41	0.86
		PM <sub>2.5</sub>	0.41	0.86
EP020	Sub-Main Ingredient Receiving Distribution System Baghouse Stack	PM	0.41	0.62
		PM <sub>10</sub>	0.41	0.62
		PM <sub>2.5</sub>	0.41	0.62
EP021, EP022, EP023, EP024, EP025, EP026	Pneumatic Receiving System No. 1, No. 2, No. 3, No. 4, No. 5, and No.6 Cartridge Filter Stacks	PM	0.14	0.17
		PM <sub>10</sub>	0.14	0.17
		PM <sub>2.5</sub>	0.14	0.17

- (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<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
 CO - carbon monoxide
- (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 and will need separate authorization unless the activity can meet conditions of 30 TAC 116.119.

Date: December 7, 2016