

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 81305

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**
EP01	Grain Receiving Baghouse No. 1	PM	1.29	5.63
EP02	Grain Receiving Baghouse No. 2	PM	1.29	5.63
EP03	Corn Storage Bin Vent Filters	PM	0.09	0.38
EP04	Surge Bin Vent Filters	PM	0.03	0.15
EP05	Hammermill Baghouse No. 1	PM	0.26	1.13
EP06	Hammermill Baghouse No. 2	PM	0.26	1.13
EP07	Fermentation (CO ₂) Vent Scrubber	VOC	2.67	11.70
EP08	Distillation Vent Gas Scrubber	VOC	1.13	4.95
EP09	Product Loadout Flare	NO _x	0.01	0.06
		CO	0.03	
		VOC	6.44	
EP10	Boiler No. 1	NO _x	0.75	3.29
		CO	2.63	
		SO ₂	0.04	
		VOC	0.40	
		PM	0.56	
EP11	Boiler No. 2	NO _x	0.75	3.29
		CO	2.63	
		SO ₂	0.04	
		VOC	0.40	
		PM	0.56	

EP12	Emergency Generator		NO _x	106.81	5.34
		CO	8.30	0.41	
		SO ₂	0.02	0.01	
		VOC	3.09	0.15	
		PM	0.01	0.01	
EP13	Emergency Firewater Pump		NO _x	8.99	0.45
		CO	1.94	0.10	
		SO ₂	0.59	0.03	
		VOC	0.73	0.04	
		PM	0.64	0.03	
TK01	200-Proof Shift Tank No. 1		VOC	0.18	0.19
TK02	200-Proof Shift Tank No. 2		VOC	0.18	0.19
TK03	Denaturant Tank		VOC	0.35	1.24
TK04	Denatured Ethanol Tank No. 1		VOC	0.49	0.22
TK05	Denatured Ethanol Tank No. 2		VOC	0.49	0.22
FS01	Grain Handling Fugitives (4)		PM	0.04	0.17
FS02	Truck/Railcar Loadout Fugitives (4)		VOC	16.94	8.75
FS03	Wet Cake Storage Pile (4)		VOC	0.60	2.63
FS04	Process Fugitives (4)		VOC	0.33	1.44
FS05	Cooling Towers		PM	0.22	0.95

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- (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 PM₁₀
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
- (4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

- * 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

- ** Compliance with annual emission limits is based on a rolling 12-month period.

Dated December 6, 2007