

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 75702

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**
GH-FUG, RL-FUG	Grain and DDGS Fugitives (4)	PM	1.33	1.84
S-20	Unloading Baghouse	PM/PM <sub>10</sub>	2.06	9.01
SS-FUG	Scalping Fugitives (4)	PM <sub>10</sub>	0.10	0.36
S-30	Hammermilling Baghouse	PM/PM <sub>10</sub>	1.20	5.26
S-70	Drying/Cooling Baghouse	PM/PM <sub>10</sub>	1.29	5.63
		VOC	0.78	3.41
S-90	DDGS Loadout Baghouse	PM/PM <sub>10</sub>	0.39	1.71
S-40	Fermentation Scrubber	PM	0.27	1.20
		PM <sub>10</sub>	0.14	0.60
		VOC	11.42	50.00
S-110A	Boiler Stack 1	PM/PM <sub>10</sub>	0.91	4.00
		NO <sub>x</sub>	1.20	5.26
		SO <sub>2</sub>	0.07	0.32
		CO	4.20	18.40
		VOC	0.66	2.89

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			lb/hr	TPY**
S-110B	Boiler Stack 2	PM/PM <sub>10</sub>	0.91	4.00
		NO <sub>x</sub>	1.20	5.26
		SO <sub>2</sub>	0.07	0.32
		CO	4.20	18.40
		VOC	0.66	2.89
S-10	Dryers A and B and RTO	PM/PM <sub>10</sub>	4.44	9.73
		NO <sub>x</sub>	10.00	21.90
		CO	13.33	29.20
		VOC	4.13	9.05
		SO <sub>2</sub>	10.06	22.03
S80	Cooling Tower	PM/PM <sub>10</sub>	0.63	2.74
EQ-FUG	Equipment Leak Fugitives (4)	VOC	2.01	8.84
S-50	Truck/Rail Loadout Flare	NO <sub>x</sub>	0.36	1.56
		CO	1.89	8.30
		VOC	0.26	1.16
		SO <sub>2</sub>	0.00	0.00
S-60	Methanator Flare	NO <sub>x</sub>	0.45	1.95
		CO	2.38	10.41
		VOC	0.33	1.46
		SO <sub>2</sub>	0.00	0.00
T-1	190 Proof Ethanol Tank	VOC	0.12	0.53
T-2	200 Proof Ethanol Tank	VOC	0.12	0.53
T-3	Denaturant Gasoline Tank	VOC	0.37	1.63
T-4	Denatured Ethanol and 1 Tank	VOC	0.09	0.38

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T-5	Denatured Ethanol and 2 Tank	VOC	0.09	0.38
T-6	Corrosion Inhibitor Tank	VOC	0.01	0.01
S-100	Emergency Water Pump Engine	PM/PM <sub>10</sub>	0.06	0.02
		NO <sub>x</sub>	3.45	0.86
		CO	0.18	0.05
		VOC	0.09	0.02
		SO <sub>2</sub>	0.39	0.10
LD-FUG	Loading Fugitives (4)	VOC	0.65	2.86
PV-FUG	Process Vent Fugitives (4)	VOC	0.15	0.65
WD-FUG	Wet DGS Fugitives (4)	VOC	0.95	4.14
		PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.01

- (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 PM greater than 10 microns is emitted.  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year

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

Dated August 10, 2010