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, 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	
			lbs/hour	TPY (4)
GH-FUG, RL-FUG	Grain and DDGS Fugitives (4)	PM	1.33	1.84
S-20	Unloading Baghouse	PM/PM_{10}	2.06	9.01
SS-FUG	Scalping Fugitives (4)	PM_{10}	0.10	0.36
S-30	Hammermilling Baghouse	PM/PM_{10}	1.20	5.26
S-70	Drying/Cooling Baghouse	PM/PM_{10}	1.29	5.63
		VOC	0.78	3.41
S-90	DDGS Loadout Baghouse	PM/PM_{10}	0.39	1.71
S-40	Fermentation Scrubber	PM	0.27	1.20
		PM_{10}	0.14	0.60
		VOC	11.42	50.00
S-110A	Boiler Stack 1	PM/PM_{10}	0.91	4.00
		NO_X	1.20	5.26
		SO_2	0.07	0.32
		CO	4.20	18.40
		VOC	0.66	2.89
S-110B	Boiler Stack 2	PM/PM_{10}	0.91	4.00
		NO_X	1.20	5.26
		SO_2	0.07	0.32
		CO	4.20	18.40
		VOC	0.66	2.89

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S-10	Dryers A and B and RTO	PM/PM_{10}	4.44	9.73
		NOx	10.00	21.90
		CO	13.33	29.20
		VOC	4.13	9.05
		SO_2	10.06	22.03
S-80	Cooling Tower	PM/PM_{10}	0.63	2.74
EQ-FUG	Equipment Leak Fugitives (4)	VOC	2.01	8.84
S-50	Truck/Rail Loadout Flare	NO_X	0.36	1.56
		CO	1.89	8.30
		VOC	0.26	1.16
		SO2	0.00	0.00
S-60	Biomethanator Flare	NOx	0.45	1.95
		CO	2.38	10.41
		VOC	0.33	1.46
		SO_2	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
T-5	Denatured Ethanol and 2 Tank	VOC	0.09	0.38
T-6	Corrosion Inhibitor Tank	VOC	0.01	0.01
PV-FUG	Process Vent Fugitives (4)	VOC	0.15	0.65
LD-FUG	Loading Fugitives (4)	VOC	0.65	2.86
S-100	Emergency Water	PM/PM_{10}	0.06	0.02

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	Pump Engine	NO_X	3.45	0.86
		CO	0.18	0.05
		VOC	0.09	0.02
LD-FUG	Loading Fugitives (4)	VOC	0.65	2.86
WD-FUG	Wet DGS Fugitives (4)	VOC	0.95	4.14
		PM	0.01	0.03
		PM_{10}	0.01	0.01
MSS_EP	MSS Activities for Equipment Painting	VOC	7.00	0.07
MSS_FERM	MSS Activities at Fermentation	VOC	15.08	0.18
MSS_DIST	MSS Activities at Distillation	VOC	18.21	0.06
MSS_TANK	MSS Activities at Tank Farm	VOC	21.59	1.51
MSS_LOAD	MSS Activities at Ethanol Loadout	VOC	1.66	0.01

(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 - particulate matter, suspended in the atmosphere, including PM10.
PM_{10} - 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
SO_2 - sulfur dioxide
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: _____