

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 79784

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**
S1	Grain Receiving/Handling/Storage	PM	5.84	14.71
		PM ₁₀	3.53	10.97
S2	Milling	PM/PM ₁₀	1.29	5.63
S4	RTO	NO _x	0.20	0.88
		SO ₂	0.01	0.01
		CO	0.20	0.88
		VOC	0.82	3.59
		PM/PM ₁₀	0.04	0.19
		HAPs (5)	0.23	1.00
S7	Fluid Bed Boiler	NO _x	21.41	94.00
		CO	19.94	88.00
		VOC	3.11	14.00
		SO ₂	18.65	82.00
		PM/PM ₁₀	7.75	34.00
		HCl	1.97	8.63
		NH ₃	41.70	140.00
S8	Package Boiler	HAPs (5)	2.40	10.50
		NO _x	3.27	14.31
		CO	11.43	50.07
		VOC	1.80	7.87
		SO ₂	1.96	8.58
		PM/PM ₁₀	2.48	10.87
S11	Cooling Tower (4)	HAPs (5)	0.62	2.70
		VOC	0.01	0.01
		PM	1.25	5.48
		PM ₁₀	0.50	2.19

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S3	Ash Handling System	PM	0.30	1.27
		PM ₁₀	0.05	0.21
S9	Methanator Flare	NO _x	0.28	0.11
		CO	1.49	0.41
		VOC	0.21	0.05
S6	Truck/Rail Fuel Loadout Flare	NO _x	3.25	0.50
		CO	17.66	2.56
		VOC	2.48	0.36
S10	Emergency Fire Water Pump	NO _x	6.45	0.97
		SO ₂	0.43	0.06
		CO	1.39	0.21
		VOC	0.51	0.08
		PM/PM ₁₀	0.46	0.07
T1	Denatured Ethanol Tanks	VOC	0.83	0.86
		HAPs (5)	0.01	0.02
T3	Gasoline Tank	VOC	0.39	1.73
		HAPs (5)	0.15	0.65
T4	200 Proof Ethanol Tank	VOC	0.1	0.44
T5	190 Proof Ethanol Tank	VOC	0.1	0.44
15	Wet DGS Storage/Handling	PM	0.03	0.03
		PM ₁₀	0.01	0.01
FUGS	Equipment Leaks (4)	VOC	1.82	7.95
		HAPs (5)	0.01	0.04
LOAD	Ethanol Loading Losses	VOC	20.60	5.33
		HAPs (5)	4.35	1.53

(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.

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- (3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}

PM₁₀ - particulate matter equal to or less than 10 microns in diameter

CO - carbon monoxide

HCl - hydrogen chloride

NH₃ - ammonia

HAP - any air contaminant (pollutant) listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations..

- (5) The site-wide allowable emissions of HAPs will be less than 10 tons per year (tpy) for any one HAP and less than 25 tpy for all HAPS. Compliance with these allowables is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

- * 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 or 8,760 Hrs/year

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

Dated October 24, 2007