EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19355

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**
S-105	Corn Steeping Tank	SO_2	0.02	0.02
		VOC 0.20	0.20	
S-106	Corn Steeping Tank	SO_2	0.02	0.02
		VOC 0.20	0.20	
S-107	Corn Steeping Tank	SO_2	0.02	0.02
		VOC 0.20	0.20	
S-108	Corn Steeping Tank	SO_2	0.02	0.02
		VOC 0.20	0.20	
S-109	Corn Steeping Tank	SO_2	0.02	0.02
		VOC 0.20	0.20	
S-110	Corn Steeping Tank	SO_2	0.02	0.02
		VOC 0.20	0.20	
S-111	Corn Steeping Tank	SO_2	0.02	0.02
		VOC 0.20	0.20	
S-112	Corn Steeping Tank	SO_2	0.02	0.02
		VOC 0.20	0.20	
S-113	Corn Steeping Tank	SO_2	0.02	0.02
		VOC 0.20	0.20	
S-114	Corn Steeping Tank	SO_2	0.02	0.02
		VOC 0.20	0.20	

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
S-115	Corn Steeping Tank	SO_2	0.02	0.02
		VOC	0.20	0.20
S-116	Corn Steeping Tank	SO_2	0.02	0.02
		VOC	0.20	0.20
S-117	Corn Steeping Tank	SO_2	0.02	0.02
		VOC	0.20	0.20
S-118	Corn Steeping Tank	SO_2	0.02	0.02
		VOC	0.20	0.20
S-119	Corn Steeping Tank	SO_2	0.02	0.02
		VOC	0.20	0.20
S-120	Corn Steeping Tank	SO_2	0.02	0.02
		VOC	0.20	0.20
S-134	North Incubation Tank	SO_2	0.01	0.04
		VOC	0.07	0.31
S-135	South Incubation Tank	SO_2	0.01	0.04
		VOC	0.07	0.31
S-136	West Incubation Tank	SO_2	0.01	0.04
		VOC	0.07	0.31
S-137	1st Grind Dilution Tank	SO_2	0.01	0.04
		VOC	0.07	0.31
S-150	Mill Building Vent Fan	SO_2	0.08	0.36
		VOC	0.32	1.42
S-152	Corn Steeping Tank N-1	SO_2	0.05	0.22
		VOC	0.50	2.19
S-153	Corn Steeping Tank	SO_2	0.05	0.22

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
	N-2	VOC	0.50	2.19
S-154	Corn Steeping Tank	SO_2	0.05	0.22
	N-3	VOC	0.50	2.19
S-155	Corn Steeping Tank	SO_2	0.05	0.22
	N-4	VOC	0.50	2.19
S-156	Corn Steeping Tank	SO_2	0.05	0.22
	N-5	VOC	0.50	2.19
S-157	Corn Steeping Tank	SO_2	0.05	0.22
	N-6	VOC	0.50	2.19
S-158	No. 1 Germ Dryer Stack	PM_{10}	0.46	2.01
		SO_2	0.90	3.94
		VOC	1.07	4.69
S-159	No. 2 Germ Dryer Stack	PM_{10}	0.93	4.07
		SO_2	1.80	7.88
		VOC	2.14	9.37
S-160	Germ Transfer Bag Filter	PM_{10}	0.09	3.94
S-161	Gluten Recycle Bag Filter	PM_{10}	0.09	0.39
S-162	Mill Building Vent Fan	SO_2	0.01	0.05
		VOC	0.04	0.19
S-163	Mill Building Vent Fan	SO_2	0.01	0.05
		VOC	0.04	0.19
S-164	Gluten Dryer Scrubber Stack	VOC	19.37	84.84
		NO_x	3.60	16.08
		SO_2	7.00	30.66

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		PM_{10}	11.47	50.24
		CO	3.08	13.51
S-165	Gluten Transfer Bag Filter	PM_{10}	0.56	2.45
S-166	Mill Building Vent Fan	SO_2	0.04	0.17
		VOC 0.16	0.68	
S-167	Mill Building Vent Fan	SO_2	0.05	0.22
		VOC 0.19	0.85	
S-168	Mill Building Vent Fan	SO_2	0.05	0.22
		VOC 0.19	0.85	
S-169	Mill Building Vent Fan	SO_2	0.08	0.35
		VOC 0.24	1.06	
S-170	Mill Building Vent Fan	SO_2	0.04	0.18
		VOC 0.17	0.75	
S-172	Mill Building Vent Fan	SO_2	0.08	0.36
		VOC 0.24	1.05	
S-173	North Gluten Filter Vent Fan	SO_2	0.48	2.10
		VOC	2.37	10.40
S-174	Center Gluten Filter Vent Fan	SO_2	0.48	2.09
		VOC	2.37	10.40
S-175	South Gluten Filter Vent Fan	SO_2	0.48	2.09
		VOC	2.37	10.40
S-176	Sluice Line Vent	SO_2	0.01	0.04
		VOC 0.02	0.10	
S-178	South Flotation Cell Vent	SO_2	0.01	0.04
		VOC 0.02	0.10	

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
S-179	North Flotation Cell Vent	SO_2	0.01	0.04
		VOC 0.02	0.10	
S-180	Primary Separator Vent	SO_2	0.01	0.04
		VOC 0.02	0.10	
S-181	Grind Tanks Vent Fan	SO_2	1.46	6.40
		VOC 0.15	0.66	
S-182	Steepwater Evaporator Condenser Vent	SO_2	0.01	0.04
		VOC	0.18	0.80
S-183	Gluten Filter Vacuum Pump Vent	SO_2	0.01	0.04
		VOC	0.09	0.40
S-184	Sluice Tank Vent	SO_2	0.01	0.04
		VOC 0.02	0.10	
S-185	Water Fill Tank Vent	SO_2	0.01	0.04
S-186	Mill Building Vent Fan	SO_2	0.08	0.36
		VOC 0.30	1.35	
S-187	Mill Building Vent Fan	SO_2	0.08	0.36
		VOC 0.30	1.35	
S-188	Mill Building Vent Fan	SO_2	0.08	0.36
		VOC 0.30	1.35	
S-189	Mill Building Vent Fan	SO_2	0.08	0.36
		VOC 0.30	1.35	
S-190	Mill Building Vent Fan	SO_2	0.08	0.36
		VOC 0.30	1.35	
S-309	NH_3 Scrubber	NH_3	0.06	0.26

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
S-311 and S-312	Flash Cooler Vents	SO_2	9.13	40.00
		VOC	0.46	2.01
S-402	Millhouse Cooling Tower	PM_{10}	0.12	0.53
		VOC	0.01	0.04
		Cl_2	0.05	0.21
S-403	55 Refinery Cooling Tower	PM_{10}	0.27	1.17
		VOC	0.01	0.04
		Cl_2	0.10	0.45
S-404	Bisulfite Solution Scrubber	SO_2	0.03	0.13
S-406	Murray Boiler (e)	VOC	0.45	1.97
	[Natural Gas]	NO_x	8.14	35.65
	(81 MMBtu/hr)	SO_2	0.05	0.22
		PM_{10}	0.62	2.72
		CO	6.83	29.93
S-407	B & W Boiler (e)	VOC	0.75	3.29
	[Natural Gas]	NO_x	18.98	83.15
	(135 MMBtu/hr)	SO_2	0.08	0.36
		PM_{10}	1.03	4.51
		CO	11.39	49.89
S-408	Zurn Boiler (e)	VOC	0.51	2.23
	[Natural Gas]	NO_x	9.18	40.21
	(91.8 MMBtu/hr)	SO_2	0.06	0.26
		PM_{10}	0.70	3.07
		CO	7.71	33.78
S-409	42 Refinery Cooling Tower	PM_{10}	0.40	1.75
		VOC	0.01	0.04
		Cl_2	0.16	0.68

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
S-410	Demin. Aeration Tower	VOC	0.01	0.04
S-411	EtOH Cooling Tower	PM_{10}	0.40	1.75
		VOC	0.01	0.04
		Cl_2	0.16	0.68
F-101	Bran By-Product Handling	PM_{10}	0.06	0.26
		SO_2	0.02	0.10
		VOC	0.02	0.10
F-102	Millhouse Fugitives (4)	SO_2	0.01	0.04
		VOC	0.05	0.22
F-103	Steepwater Unloading Fugitives	SO_2	0.01	0.04
		VOC	0.05	0.22
EP-1402	Main Fermentation Vent Scrubber	VOC	8.93	39.10
		HAPs (5)	2.03	8.88
EP-1500	Fugitive Emissions (4)	VOC	3.43	15.01
		HAPs (5)	0.01	0.01
EP-2101	Off-Spec. Storage Tank	VOC	0.02	0.09
		HAPs	0.01	0.01
EP-2103	Anhydrous Ethanol Storage Tank	VOC	0.07	0.30
		HAPs (5)	0.01	0.01
EP-2104	Denatured Ethanol Storage Tank	VOC	0.07	0.30
		HAPs (5)	0.01	0.01
EP-2105	Gasoline Storage Tank	VOC	0.22	0.96
		HAPs (5)	0.03	0.11
EP-2106	Load-out Flare	VOC	0.04	0.16

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
		NO_x	1.26	5.52
		PM_{10}	0.01	0.01
		CO	2.52	11.04
		HAPs (5)	0.01	0.01
FUG-LOAD		VOC	0.09	0.40

(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 area name or fugitive source name.
(3) PM - particulate matter, suspended in the atmosphere, including PM_{10}.
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 (30 TAC) § 101.1 (30 TAC § 101.1)
NO_x -total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
NH_3 - ammonia
HCl - hydrogen chloride
Cl_2 - chlorine
HAPs - hazard air pollutant
(4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(5) The site-wide allowable emissions of HAPs will be less than 10 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

* 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 November 12, 2007