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.

Emission	Source	Air (Contaminant	Emission F	Rates_
Point No. (1)	Name (2)		Name (3)	lb/hr	<u>TPY</u>
S-001	Corn Receiving System Bag Filter (a)		PM ₁₀	1.54	1.23
S-002	Corn Storage Bin Filter (a)		PM ₁₀	0.11	0.09
S-003	Cracked Corn Bin Filter (a)		PM ₁₀	<0.01	<0.01
S-004	Cracked Corn Loadout Bag Filter (a)		PM ₁₀	0.30	0.24
S-005	Germ Bin Bag Filter (b)		PM_{10}	0.06	0.26
S-006	Germ Bin Bag Filter (b)		PM ₁₀	0.06	0.26
S-007	Germ Loadout Bag Filter (c)		PM ₁₀	0.30	0.09
S-008	Germ Bin Bag Filter (b)		PM ₁₀	0.06	0.26
S-009	Germ Bin Bag Filter (b)		PM ₁₀	0.06	0.26
S-010	Gluten Loadout Transfer Bag Filter (d)		PM ₁₀	0.10	0.08
S-011	Gluten Loadout Bag Filter (d)		PM ₁₀	0.30	0.23
S-105	Corn Steeping Tank (b)	VOC	SO ₂ 0.20	0.02 0.88	0.09

Emission	Source	Air Contaminant	Emission Rates	<u> </u>
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
S-106	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-107	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-108	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-109	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-110	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-111	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-112	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-113	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-114	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-115	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-116	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-117	Corn Steeping Tank (b)	SO ₂ VOC 0.20	0.02 0.88	0.09
S-118	Corn Steeping Tank (b)	SO ₂	0.02	0.09

Emission	Source	Air	Contaminant	Emission Rate	<u>es</u>
Point No. (1)	Name (2)		Name (3)	lb/hr	<u>TPY</u>
		VOC	0.20	0.88	
S-119	Corn Steeping Tank (b)	VOC	SO ₂ 0.20	0.02 0.88	0.09
S-120	Corn Steeping Tank (b)	VOC	SO ₂ 0.20	0.02 0.88	0.09
S-127	Starch Reslurry Bag Filter (b)		PM ₁₀	0.06	0.26
S-128	Starch Dryer Wet Cyclone Vent (b)		VOC NO_x SO_2 PM_{10} CO	0.10 1.84 0.14 7.20 1.54	0.44 8.06 0.61 31.54 6.75
S-132	No. 1 CAB Filtrate Vent (b)	VOC	SO ₂ 0.02	0.01 0.09	0.04
S-133	No. 2 CAB Filtrate Vent (b)	VOC	SO ₂ 0.02	0.01 0.09	0.04
S-134	North Incubation Tank Vent (b)		SO ₂ VOC	0.01 0.07	0.04 0.31
S-135	South Incubation Tank Vent (b)		SO ₂ VOC	0.01 0.07	0.04 0.31
S-136	West Incubation Tank Vent (b)		SO ₂ VOC	0.01 0.07	0.04 0.31
S-137	1 st Grind Dilution Tank Vent (b)		SO ₂ VOC	0.01 0.07	0.04 0.31

Emission	Source	Air	Contaminant	Emission Rates	<u> </u>
Point No. (1)	Name (2)		Name (3)	lb/hr	<u>TPY</u>
S-150	Mill Building Vent Fan (b)	VOC	SO ₂ 0.32	0.08 1.42	0.36
S-152	Corn Steeping Tank (b)	VOC	SO ₂ 0.50	0.05 2.19	0.22
S-153	Corn Steeping Tank (b)	VOC	SO ₂ 0.50	0.05 2.19	0.22
S-154	Corn Steeping Tank (b)	VOC	SO ₂ 0.50	0.05 2.19	0.22
S-155	Corn Steeping Tank (b)	VOC	SO ₂ 0.50	0.05 2.19	0.22
S-156	Corn Steeping Tank (b)	VOC	SO ₂ 0.50	0.05 2.19	0.22
S-157	Corn Steeping Tank (b)	VOC	SO ₂ 0.50	0.05 2.19	0.22
S-158	No. 1 Germ Dryer Stack (b)	SO ₂ VOC	PM ₁₀ 0.90 1.07	0.46 3.94 4.69	2.01
S-159	No. 2 Germ Dryer Stack (b)	SO ₂ VOC	PM ₁₀ 1.80 2.14	0.93 7.88 9.37	4.07
S-160	Germ Transfer Bag Filter (b)		PM ₁₀	0.90	3.94
S-161 S-162	Gluten Recycle Bag Filter (b) Mill Building Vent Fan (b)	VOC	PM ₁₀ SO ₂ 0.04	0.09 0.01 0.19	0.39 0.05

Emission	Source	Air	Contaminant	Emission Ra	ates_
Point No. (1)	Name (2)		Name (3)	lb/hr	<u>TPY</u>
S-163	Mill Building Vent Fan (b)	VOC	SO ₂ 0.04	0.01 0.19	0.05
S-164	Gluten Dryer Scrubber Stack (b)		VOC NO_x SO_2 PM_{10} CO	19.37 3.70 7.00 11.75 3.11	84.84 16.21 30.66 51.47 13.62
S-165	Gluten Transfer Bag Filter (b)		PM ₁₀	0.56	2.45
S-166	Mill Building Vent Fan (b)	VOC	SO ₂ 0.16	0.04 0.68	0.17
S-167	Mill Building Vent Fan (b)	VOC	SO ₂ 0.19	0.05 0.85	0.22
S-168	Mill Building Vent Fan (b)	VOC	SO ₂ 0.19	0.05 0.85	0.22
S-169	Mill Building Vent Fan (b)	VOC	SO ₂ 0.24	0.08 1.06	0.35
S-170	Mill Building Vent Fan (b)	VOC	SO ₂ 0.17	0.04 0.75	0.18
S-172	Mill Building Vent Fan (b)	VOC	SO ₂ 0.24	0.08 1.05	0.36
S-173	North Gluten Filter Vent Fan (b)		SO ₂ VOC	0.48 2.37	2.10 10.40
S-174	Center Gluten Filter Vent Fan (b)		SO ₂ VOC	0.48 2.37	2.10 10.40
S-175	South Gluten Filter Vent		SO ₂	0.48	2.10

Emission	Source	Air	Contaminant	Emission Rate	<u>s</u>
Point No. (1)	Name (2)		Name (3)	lb/hr	<u>TPY</u>
	Fan (b)		VOC	2.37	10.40
S-176	Sluice Line Vent (b)	VOC	SO ₂ 0.02	0.01 0.10	0.04
S-177	Starch Dewatering Vent (b)	VOC	SO ₂ 0.02	0.01 0.10	0.04
S-178	South Flotation Cell Vent (b)	VOC	SO ₂ 0.02	0.01 0.10	0.04
S-179	North Flotation Cell Vent (b)	VOC	SO ₂ 0.02	0.01 0.10	0.04
S-180	Primary Separator Vent (b)	VOC	SO ₂ 0.02	0.01 0.10	0.04
S-181	Grind Tanks Vent Fan (b)	VOC	SO ₂ 0.15	1.46 0.66	6.40
S-182	Steepwater Evaporator Condenser Vent (b)		SO ₂ VOC	0.01 0.18	0.04 0.80
S-183	Gluten Filter Vacuum Pump Vent (b)		SO ₂ VOC	0.01 0.09	0.04 0.40
S-184	Sluice Tank Vent (b)	VOC	SO ₂ 0.02	0.01 0.10	0.04
S-185	Water Fill Tank Vent (b)		SO ₂	0.01	0.04
S-186	Mill Building Vent Fan (b)	VOC	SO ₂ 0.30	0.08 1.35	0.36
S-187	Mill Building Vent Fan (b)	VOC	SO ₂ 0.30	0.08 1.35	0.36

Emission	Source	Air	Contaminant	Emission Rate	es_
Point No. (1)	Name (2)		Name (3)	lb/hr	TPY
S-188	Mill Building Vent Fan (b)	VOC	SO ₂ 0.30	0.08 1.35	0.36
S-189	Mill Building Vent Fan (b)	VOC	SO ₂ 0.30	0.08 1.35	0.36
S-190	Mill Building Vent Fan (b)	VOC	SO ₂ 0.30	0.08 1.35	0.36
S-205	Starch Bin I Bag Filter (b)		PM ₁₀	0.06	0.26
S-301	Diatomaceous Earth Bin Bag Filter (b)		PM ₁₀	0.01	0.04
S-302	Diatomaceous Earth Transfer Bag Filter (b)		PM ₁₀	0.13	0.57
S-304	Carbon Regeneration Furnace Scrubber Stack (b)		VOC NO_x SO_2 PM_{10} CO	0.03 4.50 0.02 0.70 0.95	0.13 19.75 0.09 3.07 4.16
S-307	Mg Sulfite Tank Scrubber (b)		SO ₂	0.02	0.10
S-308	HCl Scrubber (b)		HCI	0.11	0.48
S-309	NH₃ Scrubber (b)		NH ₃	0.06	0.26
S-310	Lime Silo Bag Filter (b)		PM ₁₀	0.06	0.26
S-311	Flash Cooler Vent (b)	VOC	SO ₂ 0.46	9.13 2.01	40.00
S-312	Flash Cooler Vent (b)		SO ₂	9.13	40.00

Emission	Source	Air	Contaminant	Emission Rate	es_
Point No. (1)	Name (2)		Name (3)	lb/hr	<u>TPY</u>
	,	VOC	0.46	2.01	
S-402	Millhouse Cooling Tower (b)	voc	PM 0.01	0.02 0.04	0.11
S-403	55 Refinery Cooling Tower (b)	VOC	PM 0.01	0.10 0.04	0.44
S-404	Bisulfite Solution Scrubber (b)		SO ₂	0.03	0.13
S-405	No. 2 Fuel Oil Tank (b)		VOC	0.01	0.04
S-406	Murray Boiler (b) (e) [Natural Gas] (81 MMBtu/hr)		VOC NO_x SO_2 PM_{10} CO	0.45 8.10 0.05 0.62 6.80	1.97 35.48 0.22 2.72 29.78
S-407	B and W Boiler (b) (e) [Natural Gas] (135 MMBtu/hr)		VOC NO_x SO_2 PM_{10} CO	0.74 18.90 0.08 1.03 11.34	3.24 82.78 0.35 4.51 49.67
S-408	Zurn Boiler (b) (e) [Natural Gas] (91.8 MMBtu/hr)		VOC NO _x SO ₂ PM ₁₀ CO	0.50 10.56 0.06 0.70 7.71	2.19 46.25 0.26 3.07 33.77
S-409	42 Refinery Cooling Tower (b)	voc	PM 0.01	0.11 0.04	0.50
S-410	Demin. Aeration Tower (b)		VOC	0.01	0.04
F-101	Bran By-Product Handling (b)		PM ₁₀ SO ₂	0.06 0.02	0.26 0.10

		VOC	0.02	0.10	
F-102	Millhouse Fugitives (b)	VOC	SO ₂ 0.05	0.01 0.22	0.04
F-103	Steepwater Unloading Fugitives (b)		SO ₂ VOC	0.01 0.05	0.04 0.22
F-201	Starch Loadout (b)		PM ₁₀	1.37	6.00
F-301	Carbon Regeneration Furnace Area (b)		PM ₁₀	0.05	0.22
F-302	Diatomaceous Earth Handling Area (b)		PM ₁₀	0.25	1.10
F-401	Fuel Oil Handling (b)		VOC	0.15	0.66
F-402	Propane Storage Area (b)		VOC	0.57	2.50

⁽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} .

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 (30 TAC § 101.1)

	NO _x - total oxides of nitrogen SO ₂ - sulfur dioxide CO - carbon monoxide NH ₃ - ammonia HCl - hydrogen chloride
(a)	Emission rates are based on the following maximum operating schedule:
	Hrs/day Days/week Weeks/year or Hrs/year_ <u>1,600</u>
(b)	Emission rates are based on the following operating schedule:
	Hrs/day Days/week Weeks/year or Hrs/year_ <u>8,760</u>
(c)	Emission rates are based on the following maximum operating schedule:
	Hrs/day Days/week Weeks/year or Hrs/year_600_
(d)	Emission rates are based on the following maximum operating schedule:
	Hrs/day Days/week Weeks/year or Hrs/year_ <u>1,500</u>
(e)	Emission rates are based on firing sweet natural gas as defined in 30 TAC Chapter 101.
	Dated <u>June 30, 2004</u>