

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 870

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
1A	Offloading Pit No. 1	PM	1.53	--
		PM ₁₀	0.23	--
1B	Offloading Pit No. 2	PM	1.53	--
		PM ₁₀	0.23	--
1C	Offloading Pit No. 3	PM	1.53	--
		PM ₁₀	0.23	--
1D	Offloading Tunnel Pit No. 4	PM	1.53	--
		PM ₁₀	0.23	--
	Total Seed Offloading	PM	--	0.61
		PM ₁₀	--	0.09
BIN-65	Bulk Bin Dryer No. 65	PM	1.77	--
		PM ₁₀	0.45	--
		VOC	0.01	--
		NO _x	0.12	--
		CO	0.10	--
		SO ₂	<0.01	--
BIN-66	Bulk Bin Dryer No. 66	PM	1.77	--
		PM ₁₀	0.45	--
		VOC	0.01	--
		NO _x	0.12	--
		CO	0.10	--
		SO ₂	<0.01	--

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BIN-67	Bulk Bin Dryer No. 67	PM	1.77	--
		PM ₁₀	0.45	--
		VOC	0.01	--
		NO _x	0.12	--
		CO	0.10	--
		SO ₂	<0.01	--
BIN-68	Bulk Bin Dryer No. 68	PM	1.77	--
		PM ₁₀	0.45	--
		VOC	0.01	--
		NO _x	0.12	--
		CO	0.10	--
		SO ₂	<0.01	--
BIN-69	Bulk Bin Dryer No. 69	PM	1.77	--
		PM ₁₀	0.45	--
		VOC	0.01	--
		NO _x	0.12	--
		CO	0.10	--
		SO ₂	<0.01	--
BIN-70	Bulk Bin Dryer No. 70	PM	1.77	--
		PM ₁₀	0.45	--
		VOC	0.01	--
		NO _x	0.12	--
		CO	0.10	--
		SO ₂	<0.01	--
BIN-71	Bulk Bin Dryer No. 71	PM	1.77	--
		PM ₁₀	0.45	--
		VOC	0.01	--
		NO _x	0.12	--
		CO	0.10	--
		SO ₂	<0.01	--
BIN-72	Bulk Bin Dryer No. 72	PM	1.77	--
		PM ₁₀	0.45	--
		VOC	0.01	--
		NO _x	0.12	--

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BIN-73	Bulk Bin Dryer No. 73	CO	0.10	--
		SO ₂	<0.01	--
		PM	1.77	--
		PM ₁₀	0.45	--
		VOC	0.01	--
		NO _x	0.12	--
		CO	0.10	--
BIN-74	Bulk Bin Dryer No. 74	SO ₂	<0.01	--
		PM	1.77	--
		PM ₁₀	0.45	--
		VOC	0.01	--
		NO _x	0.12	--
		CO	0.10	--
		SO ₂	<0.01	--
	Total Bulk Bin Drying Operations	PM	--	2.99
		PM ₁₀	--	0.76
		VOC	--	0.01
		NO _x	--	0.20
		CO	--	0.17
		SO ₂	--	<0.01
CYC-1	North Scalper Cyclone	PM/PM ₁₀	1.54	1.54
CYC-2	Middle Scalper Cyclone	PM/PM ₁₀	1.54	1.08
CYC-3	South Scalper Cyclone	PM/PM ₁₀	1.54	1.54
DRY-4	North Dryer	PM	2.51	0.45
		PM ₁₀	0.66	0.12
		VOC	0.03	0.01
		NO _x	0.59	0.11
		CO	0.49	0.09
		SO ₂	<0.01	<0.01
DRY-5	Middle Dryer	PM	1.12	0.23
		PM ₁₀	0.29	0.06
		VOC	0.01	<0.01

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DRY-6	South Dryer	NO _x	0.20	0.04
		CO	0.17	0.03
		SO ₂	<0.01	<0.01
		PM	2.51	0.45
		PM ₁₀	0.66	0.12
		VOC	0.03	0.01
		NO _x	0.59	0.11
		CO	0.49	0.09
		SO ₂	<0.01	<0.01
BAG-WF	Tunnel White Dust Baghouse Stack	PM/PM ₁₀	0.31	0.31
BAG-WD	Cleaner/Gravity Table No. 1/Gravity Table No. 2 Baghouse Stack	PM/PM ₁₀	3.55	7.10
BAG-RD	Aspirator/Treater/Bagger Baghouse Stack	PM/PM ₁₀	18.57	2.77
		VOC	75.19	9.42
		HAPs (4)	10.48	2.60
BAG-RB	Re-Bagger Baghouse Stack	PM/PM ₁₀	0.34	0.68
BAG-SM	Small Lots Grain Cleaner Baghouse Stack	PM/PM ₁₀	0.31	0.02
TNK-7	Storage Tanks (60- gallon [14], 15-gallon [3], and 100-gallon [1])	VOC	<0.01	<0.01
		HAPs (4)	<0.01	<0.01
DRY-F1	Peanut Wagon Dryer No. 1 (Foundation Area)	PM	1.09	0.55
		PM ₁₀	0.28	0.15
		VOC	<0.01	<0.01
		NO _x	0.10	0.05
		CO	0.08	0.04
		SO ₂	<0.01	<0.01

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DRY-F2	Peanut Wagon Dryer No. 2 (Foundation Area)	PM	1.09	0.55
		PM ₁₀	0.28	0.15
		VOC	<0.01	<0.01
		NO _x	0.10	0.05
		CO	0.08	0.04
		SO ₂	<0.01	<0.01
DRY-F3	Peanut Wagon Dryer No. 3 (Foundation Area)	PM	1.09	0.55
		PM ₁₀	0.28	0.15
		VOC	<0.01	<0.01
		NO _x	0.10	0.05
		CO	0.08	0.04
		SO ₂	<0.01	<0.01
DRY-F4	Peanut Wagon Dryer No. 4 (Foundation Area)	PM	1.09	0.55
		PM ₁₀	0.28	0.15
		VOC	<0.01	<0.01
		NO _x	0.10	0.05
		CO	0.08	0.04
		SO ₂	<0.01	<0.01
DRY-F5	Caldwell Dryer (Foundation Area)	PM	1.09	0.55
		PM ₁₀	0.28	0.15
		VOC	<0.01	<0.01
		NO _x	0.10	0.05
		CO	0.08	0.04
		SO ₂	<0.01	<0.01
FUG-F1	Foundation Receiving Bin	PM	0.10	0.05
		PM ₁₀	0.01	0.01
CYC-F1	Foundation Cleaner Cyclone	PM/PM ₁₀	0.24	0.12
BAG-F2	Foundation East Gravity Table Baghouse Stack	PM/PM ₁₀	0.50	0.25

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BAG-F3	Foundation West Gravity Table Baghouse Stack	PM/PM ₁₀	0.50	0.25
CYC-F4	Foundation Nuisance Aspirator Cyclone	PM PM ₁₀	0.17 0.03	0.17 0.03
FAN-F5	Treater Hexdrum Fan	PM/PM ₁₀ VOC HAPs (4)	0.89 8.48 0.87	0.07 0.17 0.07
FAN-F6	Foundation Blue Sudan Cleaner Fan	PM PM ₁₀	0.03 0.02	0.57 0.09
CYC-F6	Foundation Aspirator Cyclone	PM/PM ₁₀	0.11	0.06
BIN-101	Seed Bin No. 101 Receiving	PM PM ₁₀	5.88 1.31	0.04 0.01
BIN-102	Seed Bin No. 102 Receiving	PM PM ₁₀	5.88 1.31	0.04 0.01
BIN-103	Seed Bin No. 103 Receiving	PM PM ₁₀	5.88 1.31	0.04 0.01
BIN-104	Seed Bin No. 104 Receiving	PM PM ₁₀	5.88 1.31	0.04 0.01
BIN-105	Seed Bin No. 105 Receiving	PM PM ₁₀	5.88 1.31	0.04 0.01
BIN-106	Seed Bin No. 106 Receiving	PM PM ₁₀	5.88 1.31	0.04 0.01
BIN-107	Seed Bin No. 107 Receiving	PM PM ₁₀	5.88 1.31	0.04 0.01
BIN-108	Seed Bin No. 108 Receiving	PM PM ₁₀	5.88 1.31	0.04 0.01
BIN-109	Seed Bin No. 109	PM	5.88	0.04

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BIN-110	Receiving	PM ₁₀	1.31	0.01
	Seed Bin No. 110	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-111	Seed Bin No. 111	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-112	Seed Bin No. 112	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-113	Seed Bin No. 113	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-114	Seed Bin No. 114	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-115	Seed Bin No. 115	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-116	Seed Bin No. 116	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-117	Seed Bin No. 117	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-118	Seed Bin No. 118	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-119	Seed Bin No. 119	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-120	Seed Bin No. 120	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-121	Seed Bin No. 121	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01
BIN-122	Seed Bin No. 122	PM	5.88	0.04
	Receiving	PM ₁₀	1.31	0.01

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BIN-123	Seed Bin No. 123 Receiving	PM	5.88	0.04
		PM ₁₀	1.31	0.01
BIN-124	Seed Bin No. 124 Receiving	PM	5.88	0.04
		PM ₁₀	1.31	0.01
BIN-125	Seed Bin No. 125 Receiving	PM	5.88	0.04
		PM ₁₀	1.31	0.01
BIN-126	Seed Bin No. 126 Receiving	PM	5.88	0.04
		PM ₁₀	1.31	0.01
BIN-127	Seed Bin No. 127 Receiving	PM	5.88	0.03
		PM ₁₀	1.31	<0.01
BIN-128	Seed Bin No. 128 Receiving	PM	5.88	0.03
		PM ₁₀	1.31	<0.01
BIN-129	Seed Bin No. 129 Receiving	PM	5.88	0.03
		PM ₁₀	1.31	<0.01
BIN-130	Seed Bin No. 130 Receiving	PM	5.88	0.03
		PM ₁₀	1.31	<0.01
BIN-131	Seed Bin No. 131 Receiving	PM	5.88	0.03
		PM ₁₀	1.31	<0.01
BIN-132	Seed Bin No. 132 Receiving	PM	5.88	0.03
		PM ₁₀	1.31	<0.01
BIN-133	Seed Bin No. 133 Receiving	PM	5.88	0.03
		PM ₁₀	1.31	<0.01
BIN-134	Seed Bin No. 134 Receiving	PM	5.88	0.03
		PM ₁₀	1.31	<0.01
BIN-135	Seed Bin No. 135 Receiving	PM	5.88	0.03
		PM ₁₀	1.31	<0.01
BIN-136	Seed Bin No. 136	PM	5.88	0.03

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BIN-101	Receiving	PM ₁₀	1.31	<0.01
	Seed Bin No. 101	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-102	Seed Bin No. 102	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
BIN-103	Seed Bin No. 103 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01
BIN-104	Seed Bin No. 104 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01
BIN-105	Seed Bin No. 105 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01
BIN-106	Seed Bin No. 106 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01
BIN-107	Seed Bin No. 107 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01
BIN-108	Seed Bin No. 108 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01
BIN-109	Seed Bin No. 109 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01
BIN-110	Seed Bin No. 110 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01
BIN-111	Seed Bin No. 111 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01
BIN-112	Seed Bin No. 112 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01
BIN-113	Seed Bin No. 113 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01
BIN-114	Seed Bin No. 114 Loadout	PM	2.94	0.04
		PM ₁₀	0.66	0.01

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BIN-115	Seed Bin No. 115	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-116	Seed Bin No. 116	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-117	Seed Bin No. 117	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-118	Seed Bin No. 118	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-119	Seed Bin No. 119	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-120	Seed Bin No. 120	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-121	Seed Bin No. 121	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-122	Seed Bin No. 122	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-123	Seed Bin No. 123	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-124	Seed Bin No. 124	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-125	Seed Bin No. 125	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01
BIN-126	Seed Bin No. 126	PM	2.94	0.04
	Loadout	PM ₁₀	0.66	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
BIN-127	Seed Bin No. 127 Loadout	PM	2.94	0.03
		PM ₁₀	0.65	<0.01
BIN-128	Seed Bin No. 128 Loadout	PM	2.94	0.03
		PM ₁₀	0.65	<0.01
BIN-129	Seed Bin No. 129 Loadout	PM	2.94	0.03
		PM ₁₀	0.65	<0.01
BIN-130	Seed Bin No. 130 Loadout	PM	2.94	0.03
		PM ₁₀	0.65	<0.01
BIN-131	Seed Bin No. 131 Loadout	PM	2.94	0.03
		PM ₁₀	0.65	<0.01
BIN-132	Seed Bin No. 132 Loadout	PM	2.94	0.03
		PM ₁₀	0.65	<0.01
BIN-133	Seed Bin No. 133 Loadout	PM	2.94	0.03
		PM ₁₀	0.65	<0.01
BIN-134	Seed Bin No. 134 Loadout	PM	2.94	0.03
		PM ₁₀	0.65	<0.01
BIN-135	Seed Bin No. 135 Loadout	PM	2.94	0.03
		PM ₁₀	0.65	<0.01
BIN-136	Seed Bin No. 136 Loadout	PM	2.94	0.03
		PM ₁₀	0.65	<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.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀
- PM₁₀ - particulate matter equal to or less than 10 microns in diameter
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- HAPs - hazardous air pollutants
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- SO₂ - sulfur dioxide
- (4) The HAP emissions are included in the total hourly and annual VOC emission rates.

Dated October 26, 2009